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INSTALLATION RESTORATION PROGRAM
PHASE II - CONFIRMATION/QUANTIFICATION
STAGE 2

VOLUME 3 OF 4

for
Seymour Johnson Air Force Base, NC

by
Research Triangle Institute
Center for Environmental Measurements
P. O. Box 12194
Research Triangle Park, NC 27709

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FINAL REPORT

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Headquarters Tactical Air Command
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United States Air Force
Occupational & Environmental Health Laboratory (USAFOEHL)
Brooks Air Force Base, Texas 78235-5501

POST OFFICE BOX 12194 RESEARCH TRIANGLE PARK, NORTH CAROLINA 27709

APPENDICES

APPENDICES

APPENDICES (Cont'd)

APPENDIX K

INORGANIC RESULTS - SITE 1

(FIRE TRAINING AREA NO. 3)

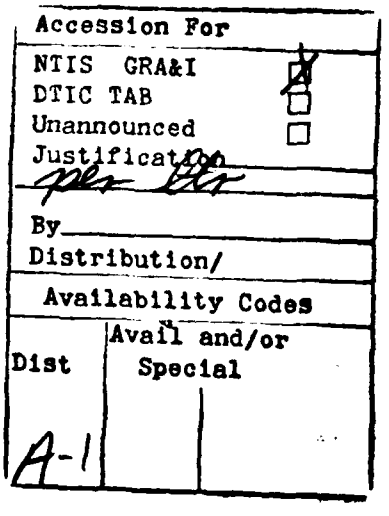

TABLE K-1

LEAD (WATER)

TABLE K-1. RESULTS OF WATER ANALYSES; FIRE TRAINING AREA NO. 3; p. 1 of 1

Lead (Water); Method E239.2; Concentrations in mg/L

Compound	Detection Limit (mg/L)	Sampling Point:	MW-11	MW-01 1)	MW-40	MW-41	MW-42	MW-60
		Date Sampled:	15 JAN 87	15 JAN 87	13 JAN 87	15 JAN 87	15 JAN 87	21 JAN 87
		Date Analyzed:	12 FEB 87	12 FEB 87	12 FEB 87	12 FEB 87	12 FEB 87	12 FEB 87
		Sticker No., ID:	325, J	427, K	392, J	327, J	329, J	455, O
		Depth Interval (ft):	20	10	11.5	12	13	(Blank)
Lead	0.002		BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Blind Duplicate of 325, J (MW-11)

APPENDIX L

ORGANIC RESULTS - SITE 1

(FIRE TRAINING AREA NO. 3)

TABLE L-1

AROMATIC VOLATILE ORGANICS (WATER)

TABLE L-1. RESULTS OF WATER ANALYSES;FIRE TRAINING AREA NO. 3; p. 1 of 1

Aromatic Volatile Organics (Water); Method 602; Concentrations in ug/L

Compound	Detection Limits (ug/L)	*	1)*	*	*	2)	3)	*
Sampling Point:		MW-11	MW-40	MW-41	MW-41	MW-41	MW-41	MW-42
Date Sampled:		7 JAN 87	7 JAN 87	7 JAN 87	7 JAN 87	25 FEB 87	25 FEB 87	8 JAN 87
Date Analyzed:		16 JAN 87	16 JAN 87	16 JAN 87	16 JAN 87	4 MAR 87	4 MAR 87	16 JAN 87
Sticker No., ID:		117, A1	80, A1	127, C	123, A2	579, A1	579, A1	129, A1
Depth Interval (ft):		20	15	2.5	12.5	12.5	12.5	13
Benzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	BDL	BDL	8.6	8.0	11.0	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	3.0	BDL	BDL
Ethylbenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	1.0	BDL	BDL	BDL	2.3	BDL	BDL	BDL
Xylene 4)	1.0	---	BDL	---	---	BDL	BDL	---

BDL = Below Detection Limits
1) = Detection Limit 10 ug/mL for This Sample
2) = Resampled and analyzed compounds for which second column confirmation was omitted from 123, A2 (MW-41)
3) = Second Column Confirmation of 579, A1 (MW-41)
4) = Quantitated as Ethylbenzene
* = Invalid Data

TABLE L-2

HALOGENATED VOLATILE ORGANICS (WATER)

TABLE L-2. RESULTS OF WATER ANALYSES; FIRE TRAINING AREA NO. 3; p. 1 of 1

Halogenated Volatile Organics (Water); Method 601; Concentrations in ug/L

Compound	Detection Limit (ug/L)	MW-11	MW-40	MW-41 *	MW-41 1)	MW-41 2) *	MW-42
Sampling Point:		MW-11	MW-40	MW-41 *	MW-41 1)	MW-41 2) *	MW-42
Date Sampled:		7 JAN 87	7 JAN 87	7 JAN 87	25 FEB 87	25 FEB 87	8 JAN 87
Date Analyzed:		16 JAN 87	16 JAN 87	16 JAN 87	1 MAR 87	11 MAR 87	16 JAN 87
Sticker No., ID:		118, A2	81, A2	124, A2	579, A1	580, A2	130, A2
Depth Interval (ft):		20	15	12.5	12.5	12.5	13
Bromodichloromethane	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Carbon Tetrachloride	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	BDL	8.6	23.0	13.0	BDL
Chloroethane	1.0	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorethylvinyl Ether	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Dibromochloromethane	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	1.0	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and analyzed compounds for which second column confirmation was omitted from 124, A2 (MW-41)

2) = Second Column Confirmation of 579, A1 (MW-41)

* = Invalid Data

TABLE L-3

PETROLEUM HYDROCARBONS (WATER)

TABLE L-3. RESULTS OF WATER ANALYSES; FIRE TRAINING AREA NO. 3; p. 1 of 1

Petroleum Hydrocarbons (Water); Method E418.1; Concentrations in mg/L

Sampling Point:		MW-11	MW-40*	MW-41*	MW-42*
Date Sampled:		12 JAN 87	9 JAN 87	7 JAN 87	8 JAN 87
Date Extracted:		13 JAN 87	13 JAN 87	13 JAN 87	13 JAN 87
Date Analyzed:		13 JAN 87	13 JAN 87	13 JAN 87	13 JAN 87
Sticker No., ID:		121, C	91, C	127, C	133, C
Depth Interval (ft):		20	15	12.5	13
Compound	Detection Limit (mg/L)				
Hydrocarbons	2.0	BDL	BDL	BDL	BDL

BDL = Below Detection Limit
* = Invalid Data

APPENDIX M

INORGANIC RESULTS - SITE 2

(LANDFILL NO. 4)

TABLE M-1

ANIONS (WATER)

TABLE M-1. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 1 of 4

Anions (Water); Method 429A; Concentrations in mg/L

Compound	Detection Limit (mg/L)	Sampling Point: MW-13	2) MW-13	MW-14	1) MW-09	2) MW-14	2),3) MW-09
		Date Sampled: 21 JAN 87	22 APR 87	20 JAN 87	16 JAN 87	14 APR 87	14 APR 87
		Date Analyzed: 3 FEB 87	23 APR 87	2 FEB 87	2 FEB 87	15 APR 87	15 APR 87
		Sticker No., ID: 424, J	671, J	417, J	531, J	677, M	663, K
		Depth Interval (ft): 22	21	11	11	14	14
Fluoride	0.01	BDL		0.012	0.018		
Chloride	0.01	14.747		3.687	3.979		
Nitrate	0.03	0.087*	BDL	0.137*	BDL*	BDL	BDL
Phosphate	0.60	BDL*	BDL	BDL*	BDL*	BDL	BDL
Bromide	0.05	0.550		BDL	BDL		
Nitrite	0.05	BDL*	BDL	BDL*	BDL*	BDL	BDL
Sulfate	0.05	6.775		11.872	13.031		

BDL = Below Detection Limits
1) = Blind Duplicate of 417, J (MW-14)
2) = Resampled and Analyzed for Anions that Exceeded Holding Times
3) = Blind Duplicate of 677, M (MW-14)
* = Invalid Data

TABLE M-1. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 2 of 4

Anions (Water); Method 429A; Concentrations in mg/L

Sampling Point:		MW-43	MW-43 1)	MW-44	MW-44 1)	MW-45	MW-45 1)
Date Sampled:		14 JAN 87	14 APR 87	16 JAN 87	16 APR 87	16 JAN 87	16 APR 87
Date Analyzed:		30 JAN 87	15 APR 87	2 FEB 87	17 APR 87	3 FEB 87	17 APR 87
Sticker No., ID:		395, J	683, K	338, J	687, K	355, E	691, K
Depth Interval (ft):		18	18	10	5.5	9	5.5
Compound	Detection Limit (mg/L)						
Fluoride	0.01	BDL		BDL		0.066	
Chloride	0.01	3.565		11.541		17.259	
Nitrate	0.03	7.241*	3.493	BDL*	BDL	0.134*	BDL
Phosphate	0.60	BDL*	BDL	BDL*	BDL	BDL*	BDL
Bromide	0.05	BDL		0.607		0.460	
Nitrite	0.05	BDL*	BDL	BDL*	BDL	BDL*	BDL
Sulfate	0.05	0.306		11.572		7.936	

BDL = Below Detection Limits
1) = Resampled and Analyzed for Anions that Exceeded Holding Times
* = Invalid Data

TABLE M-1 . RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 3 of 4

Anions (Water); Method 429A; Concentrations in mg/L

Sampling Point:	MW-46	MW-46 1)	MW-47	MW-47 1)	MW-48	MW-48 1)
Date Sampled:	16 JAN 87	16 APR 87	20 JAN 87	16 APR 87	20 JAN 87	22 APR 87
Date Analyzed:	3 FEB 87	17 APR 87	3 FEB 87	17 APR 87	2 FEB 87	23 APR 87
Sticker No., ID:	350, J	695, K	401, K	699, K	411, J	703, K
Depth Interval (ft):	9	5	10	5.5	8	6
Compound / Detection Limit (mg/L)						
Fluoride 0.01	0.461		BDL		BDL	
Chloride 0.01	38.54		19.739		3.621	
Nitrate 0.03	BDL*	BDL	0.307*	BDL	0.512*	BDL
Phosphate 0.60	BDL*	BDL	BDL*	BDL	BDL*	BDL
Bromide 0.05	0.886		*0.198*		BDL	
Nitrite 0.05	BDL*	BDL	BDL*	BDL	BDL*	BDL
Sulfate 0.05	33.957		44.978		11.701	

BDL = Below Detection Limits
1) = Resampled and Analyzed for Anions that Exceeded Holding Times
* = Invalid Data

TABLE M-1 . RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 4 of 4

Anions (Water); Method 429A; Concentrations in mg/L

Sampling Point:	MW-49	MW-49 1)	MW-65 1)	MW-65 1)
Date Sampled:	20 JAN 87	22 APR 87	15 APR 87	22 APR 87
Date Analyzed:	3 FEB 87	23 APR 87	16 APR 87	23 APR 87
Sticker No., ID:	405, J	770, K	766, K	765, K
Depth Interval (ft):	8	6	(Blank)	(Blank)
Compound / Detection Limit (mg/L)				
Fluoride 0.01	BDL			
Chloride 0.01	15.848			
Nitrate 0.03	0.209*	BDL	BDL	BDL
Phosphate 0.60	BDL*	BDL	BDL	BDL
Bromide 0.05	0.143			
Nitrite 0.05	BDL*	BDL	BDL	BDL
Sulfate 0.05	48.252			

BDL = Below Detection Limits
1) = Resampled and Analyzed for Anions that Exceeded Holding Times
* = Invalid Data

TABLE M-2

13-PRIORITY POLLUTANT METALS (WATER)

TABLE M-2. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 1 of 2

Thirteen Priority Pollutant Metals (Water); Concentrations in mg/L

Compound	Detection Limit (mg/L)	Methods	MW-13	MW-14	MW-43	MW-44	MW-45
Sampling Point:			MW-13	MW-14	MW-43	MW-44	MW-45
Date Sampled:			21 JAN 87	20 JAN 87	14 JAN 87	16 JAN 87	16 JAN 87
Date Analyzed:			8 FEB 87	8 FEB 87	29 JAN 87	29 JAN 87	29 JAN 87
Sticker No., ID:			426, M	419, L	397, L	340, L	355, L
Depth Interval (ft):			22	11	18	10	9
Arsenic	0.002	E206.2	BDL	BDL	BDL	BDL	BDL
Antimony	0.009	E204.2	BDL	BDL	BDL	BDL	BDL
Beryllium	0.0012	E200.7	BDL	BDL	BDL	BDL	BDL
Cadmium	0.006	E200.7	BDL	BDL	BDL	BDL	BDL
Chromium	0.008	E200.7	BDL	BDL	BDL	BDL	BDL
Copper	0.014	E200.7	BDL	0.031	BDL	BDL	0.040
Lead	0.005	E200.7	0.070	BDL	BDL	BDL	BDL
Mercury	0.0002	E245.1	BDL	BDL	BDL	BDL	BDL
Nickel	0.004	E200.7	0.020	BDL	BDL	BDL	BDL
Selenium	0.004	E270.2	BDL	BDL	BDL	BDL	BDL
Silver	0.007	E200.7	0.025	BDL	BDL	BDL	0.134
Thallium	0.002	E200.7	BDL	BDL	BDL	BDL	BDL
Zinc	0.003	E200.7	BDL	0.010	BDL	BDL	BDL

BDL = Below Detection Limit
I) = Blind Duplicate of 352, L (MW-46)

TABLE M-2. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 2 of 2

Thirteen Priority Pollutant Metals (Water); Concentrations mg/L

Sampling Point:			MW-46	MW-56 [1]	MW-47	MW-48	MW-49
Date Sampled:			16 JAN 87	16 JAN 87	20 JAN 87	20 JAN 87	20 JAN 87
Date Analyzed:			29 JAN 87	29 JAN 87	29 JAN 87	8 FEB 87	8 FEB 87
Sticker No., ID:			352, L	432, M	403, L	413, L	407, L
Depth Interval (ft):			9	21	10	8	8
Compound	Detection Limit (mg/L)	Methods					
Arsenic	0.002	E206.2	BDL	BDL	BDL	BDL	BDL
Antimony	0.009	E204.2	BDL	BDL	BDL	BDL	BDL
Beryllium	0.0012	E200.7	BDL	BDL	BDL	BDL	BDL
Cadmium	0.006	E200.7	BDL	BDL	BDL	BDL	BDL
Chromium	0.008	E200.7	BDL	BDL	BDL	BDL	BDL
Copper	0.014	E200.7	BDL	0.024	BDL	BDL	0.060
Lead	0.005	E200.7	BDL	BDL	BDL	0.109	0.068
Mercury	0.0002	E245.1	BDL	BDL	BDL	BDL	BDL
Nickel	0.004	E200.7	BDL	BDL	BDL	BDL	0.028
Selenium	0.004	E270.2	BDL	BDL	BDL	BDL	BDL
Silver	0.007	E200.7	BDL	BDL	BDL	0.062	BDL
Thallium	0.002	E200.7	BDL	BDL	BDL	BDL	BDL
Zinc	0.003	E200.7	BDL	BDL	BDL	0.013	0.014

BDL = Below Detection Limit

TABLE M-3

TOTAL DISSOLVED SOLIDS (WATER)

TABLE M-3. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 1 of 1

Total Dissolved Solids (Water); Method E160.1; Concentrations in mg/L

Sampling Point	Depth Interval (ft)	Sticker No., ID	Date Sampled	Date Analyzed	TDS (mg/L)
MW-43	18	0399, N	14 JAN 87	5 FEB 87	5*
MW-44	10	0342, N	16 JAN 87	5 FEB 87	50*
MW-45	9	0347, N	16 JAN 87	5 FEB 87	70*
MW-46	9	0354, N	16 JAN 87	5 FEB 87	30*
MW-47	10	0369, N	20 JAN 87	5 FEB 87	164*
MW-48	8	0415, N	20 JAN 87	5 FEB 87	106*
MW-49	9	0409, N	20 JAN 87	5 FEB 87	349*
MW-13	22	0429, N	21 JAN 87	5 FEB 87	193*
MW-14	11	0421, N	20 JAN 87	5 FEB 87	63*
MW-60 1)	10	0448, N	21 JAN 87	5 FEB 87	13*

1) = MW-60 is a Field Blank

Note: Detection limits for TDS = 5.0 mg/L

* = Invalid Data

TABLE M-4

ANIONS (SURFACE WATER)

TABLE M-4. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 1 of 1

Anions (Surface Water); Method 429A; Concentrations in mg/L

Compound	Detection Limit (mg/L)	Sampling Point: SW-10 Date Sampled: 21 JAN 87 Date Analyzed: 3 FEB 87 Sticker No., ID: 431, J	1) SW-10 14 APR 87 15 APR 87 739, K	SW-11 21 JAN 87 3 FEB 87 456, J	1) SW-11 14 APR 87 15 APR 87 743, K
Fluoride	0.01	0.208		0.056	
Chloride	0.01	16.192		8.150	
Nitrate	0.03	0.070*	0.217	BDL*	BDL
Phosphate	0.60	BDL*	BDL	BDL*	BDL
Bromide	0.05	0.173		BDL	
Nitrite	0.05	2.024*	BDL	4.322*	BDL
Sulfate	0.05	40.174		17.955	

BDL = Below Detection Limits
1) = Resampled and Analyzed for Anins that Exceeded Holding Times
* = Invalid Data

TABLE M-5

13-PRIORITY POLLUTANT METALS
(SEDIMENT)

TABLE M-5. RESULTS OF SEDIMENT ANALYSES; LANDFILL NO. 4; p. 1 of 1

Thirteen Priority Pollutant Metals (Sediment); Concentrations in mg/Kg

			Sampling Point:	SD-12	SD-13
			Date Sampled:	20 JAN 87	20 JAN 87
			Date Analyzed:	10 FEB 87	10 FEB 87
			Sticker No., ID:	341, C	358, C
Compound	Detection Limit (mg/Kg)	Methods			
Arsenic	0.13	SW7060		1.81	1.29
Antimony	0.9	SW7041		BDL	BDL
Beryllium	0.12	SW6010		0.199	0.298
Cadmium	0.34	SW6010		BDL	BDL
Chromium	0.8	SW6010		5.17	6.05
Copper	0.9	SW6010		BDL	6.35
Lead	3.5	SW6010		BDL	108
Mercury	0.1	SW7471		BDL	0.246
Nickel	1.0	SW6010		3.28	13.0
Selenium	0.22	SW7740		0.30	0.99
Silver	0.6	SW6010		BDL	BDL
Thallium	0.20	SW7841		BDL	BDL
Zinc	0.30	SW6010		11.0	104

BDL = Below Detection Limit

TABLE M-6

13-PRIORITY POLLUTANT METALS (SURFACE WATER)

TABLE M-6. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 1 of 1

Thirteen Priority Pollutant Metals (Surface Water); Concentrations in mg/L

Compound	Detection Limit (mg/L)	Methods	Sampling Point: SW-10 Date Sampled: 21 JAN 87 Date Analyzed: 2 FEB 87 Sticker No., ID: 434, J	Sampling Point: SW-11 Date Sampled: 21 JAN 87 Date Analyzed: 2 FEB 87 Sticker No., ID: 458, L
Arsenic	0.002	E206.2	BDL	BDL
Antimony	0.009	E204.2	BDL	BDL
Beryllium	0.0012	E200.7	BDL	BDL
Cadmium	0.006	E200.7	BDL	0.013
Chromium	0.008	E200.7	BDL	BDL
Copper	0.014	E200.7	BDL	BDL
Lead	0.005	E200.7	BDL	BDL
Mercury	0.0002	E245.1	1)	BDL
Nickel	0.004	E200.7	BDL	BDL
Selenium	0.004	E270.2	BDL	BDL
Silver	0.007	E200.7	BDL	BDL
Thallium	0.002	E200.7	BDL	BDL
Zinc	0.003	E200.7	0.029	0.024

BDL = Below Detection Limit
1) = Insufficient Volume for Analysis

TABLE M-7

TOTAL DISSOLVED SOLIDS (SURFACE WATER)

TABLE M-7. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 1 of 1

Total Dissolved Solids (Surface Water); Method E160.1; Concentrations in mg/ L

Sampling Point	Sticker No., ID	Date Sampled	Date Analyzed	TDS (mg/L)
SW-10	436, N	21 JAN 87	5 FEB 87	134*
SW-11	460, N	21 JAN 87	5 FEB 87	79*

Note: Weight of sample 436, N May Be Erroneous; Some Drops of Suction Water Seeped into Flask During Analysis
* = Invalid Data
Note: Detection limits for TDS = + 5.0 mg/L

APPENDIX N

ORGANIC RESULTS - SITE 2

(LANDFILL NO. 4)

TABLE N-1

ACID EXTRACTABLES (WATER)

TABLE N-1. RESULTS OF WATER ANALYSES; LANDFILL NO. 4, p. 1 of 6

Acid Extractables (Water); Method 625 A; Concentrations in ug/L

Compound	Detection Limits (ug/L)	*	1)	2)	*	1)	2)
Sampling Point:		MW-13	MW-13	MW-13	MW-14	MW-14	MW-14
Date Sampled:		12 JAN 87	22 APR 87	22 APR 87	9 JAN 87	14 APR 87	14 APR 87
Date Extracted:		23 JAN 87	28 APR 87	28 APR 87	22 JAN 87	16 APR 87	16 APR 87
Date Analyzed:		28 JAN 87	29 MAY 87	29 MAY 87	28 JAN 87	15 MAY 8	18 MAY 87
Sticker No., ID:		247, A1	668, E1	669, E2	237, E2	672, E1	673, E2
Depth Interval (ft):		22	21	21	16	14	14
4-Chloro-3-Methylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Pentachlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Phenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE N-1. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 2 of 6

Acid Extractables (Water); Method 625 A; Concentrations in ug/L

Compound	Detection Limits (ug/L)	*	1)	2)	3)*	4)	4)
Sampling Point:		MW-43	MW-43	MW-43	MW-04	MW-04	MW-04
Date Sampled:		7 JAN 87	14 APR 87	14 APR 87	8 JAN 87	14 APR 87	14 APR 87
Date Extracted:		16 JAN 87	15 APR 87	16 APR 87	17 JAN 87	15 APR 87	15 APR 87
Date Analyzed:		19 JAN 87	14 MAY 87	14 MAY 87	22 JAN 87	14 MAY 8	14 MAY 87
Sticker No., ID:		103, A1	680, E3	681, E4	227, E1	660, E1	661, E2
Depth Interval (ft):		21	18	18	10	10	10
4-Chloro-3-Methylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Pentachlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Phenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
3) = Blind Duplicate of 103, A1 (MW-43)
4) = Blind Duplicates of 680, E3 (MW-43) and 681, E4 (MW-43)
* = Invalid Data

TABLE N-1. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 3 of 6

Acid Extractables (Water); Method 625 A; Concentrations in ug/L

Compound	Detection Limits (ug/L)	*	1)	2)	*	1)	2)
Sampling Point:		MW-44	MW-44	MW-44	MW-45	MW-45	MW-45
Date Sampled:		8 JAN 87	14 APR 87	16 APR 87	8 JAN 87	16 APR 87	16 APR 87
Date Extracted:		17 JAN 87	23 APR 87	23 APR 87	17 JAN 87	23 APR 87	23 APR 87
Date Analyzed:		22 JAN 87	20 MAY 87	19 MAY 87	20 JAN 87	18 MAY 87	18 MAY 87
Sticker No., ID:		151, A1	684, E1	685, E2	161, E1	688, E1	689, E2
Depth Interval (ft):		8	5.5	5.5	8	5.5	5.5
4-Chloro-3-Methylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Pentachlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Phenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE N-1. RESULTS OF WATER ANALYSES; LANDFILL No. 4; p. 4 of 6

Acid Extractables (Water); Method 625 A; Concentrations in ug/L

Compound	Detection Limits (ug/L)	*	1)	2)	*	1)	2)
Sampling Point:		MW-46	MW-46	MW-46	MW-47	MW-47	MW-47
Date Sampled:		8 JAN 87	16 APR 87	16 APR 87	9 JAN 87	16 APR 87	16 APR 87
Date Extracted:		17 JAN 87	23 APR 87	23 APR 87	22 JAN 87	23 APR 87	23 APR 87
Date Analyzed:		22 JAN 87	19 MAY 87	19 MAY 87	27 JAN 87	18 MAY 87	18 MAY 87
Sticker No., ID:		171, A1	692, E1	693, E2	204, A1	696, E1	697, E2
Depth Interval (ft):		8	5	5	10	5.5	5.5
4-Chloro-3-Methylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Pentachlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Phenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE N-1. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 5 of 6

Acid Extractables (Water); Method 625 A; Concentrations in ug/L

Compound	Detection Limits (ug/L)	*	1)	2)	*	1)	2)
Sampling Point:		MW-48	MW-48	MW-48	MW-49	MW-49	MW-49
Date Sampled:		9 JAN 87	22 APR 87	22 APR 87	9 JAN 87	22 APR 87	22 APR 87
Date Extracted:		22 JAN 87	28 APR 87	28 APR 87	22 JAN 87	28 APR 87	28 APR 87
Date Analyzed:		28 JAN 87	28 MAY 87	29 MAY 87	27 JAN 87	29 MAY 87	29 MAY 87
Sticker No., ID:		223, A1	700, E1	701, E2	214, A2	706, E3	707, E4
Depth Interval (ft):		12	6	6	8.5	6	6
4-Chloro-3-Methylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Pentachlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Phenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE N-1. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 6 of 6

Acid Extractables (Water); Method 625 A; Concentrations in ug/L

Compound	Detection Limits (ug/L)	1)*	2)*	3)*
Sampling Point:		MW-57	MW-57	MW-57
Date Sampled:		13 JAN 87	22 APR 87	22 APR 87
Date Extracted:		27 JAN 87	28 APR 87	28 APR 87
Date Analyzed:		30 JAN 87	29 MAY 87	29 MAY 87
Sticker No., ID:		318, E2	735, E1	771, E2
Depth Interval (ft):		10	6	6
4-Chloro-3-Methylphenol	25	BDL	BDL	BDL
2-Chlorophenol	25	BDL	BDL	BDL
2,4-Dichlorophenol	25	BDL	BDL	BDL
2,4-Dimethylphenol	25	BDL	BDL	BDL
2,4-Dinitrophenol	250	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	250	BDL	BDL	BDL
2-Nitrophenol	25	BDL	BDL	BDL
4-Nitrophenol	25	BDL	BDL	BDL
Pentachlorophenol	25	BDL	BDL	BDL
Phenol	25	BDL	BDL	BDL
2,4,6-Trichlorophenol	25	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Blind Duplicate of 214, A2 (MW-49)
2) = Blind Duplicate of 706, E3 (MW-49)
3) = Duplicate Sample Analyzed
* = Invalid Data

TABLE N-2

AROMATIC VOLATILE ORGANICS (WATER)

TABLE N-2. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 1 of 4

Aromatic Volatile Organics (Water); Method 602; Concentrations in ug/L

Compound	Detection Limit (ug/L)	*	1)	2)	*	3)	*
Sampling Point:		MW-13	MW-13	MW-13	MW-14	MW-57	MW-43
Date Sampled:		12 JAN 87	26 FEB 87	26 FEB 87	9 JAN 87	13 JAN 87	7 JAN 87
Date Analyzed:		23 JAN 87	2 MAR 87	2 MAR 87	20 JAN 87	20 JAN 87	16 JAN 87
Sticker No., ID:		240, A1	589, A1	589, A2	229, A1	315, A2	93, A1
Depth Interval (ft):		22	22	22	16	10	21
Benzene	1.0	BDL	7.0	7.0	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Xylene 4)	1.0	---	BDL	BDL	---	---	BDL

BDL = Below Detection Limit
1) = Resampled and analyzed compounds for which second column confirmation was omitted from 240, A1 (MW-13)
2) = Second Column Confirmation of 589, A1 (MW-13)
3) = Blind Duplicate of 229, A1 (MW-14)
4) = Quantitated as Ethylbenzene
* = Invalid Data

TABLE N-2. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 2 of 4

Aromatic Volatile Organics (Water); Method 602; Concentrations in ug/L

Compound	Detection Limit (ug/L)	*	1)	*	2)
Sampling Point:		MW-44	MW-44	MW-45	MW-45
Date Sampled:		8 JAN 87	25 FEB 87	8 JAN 87	26 FEB 87
Date Analyzed:		16 JAN 87	2 MAR 87	16 JAN 87	2 MAR 87
Sticker No., ID:		145, AI	581, AI	155, AI	583, AI
Depth Interval (ft):		8	8	8	8
Benzene	1.0	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
Ethylbenzene	1.0	BDL	BDL	BDL	BDL
Toluene	1.0	BDL	BDL	BDL	BDL
Xylene 3)	1.0	---	BDL	---	BDL

BDL = Below Detection Limit
1) = Resampled and analyzed compounds for which second column confirmation was omitted from 145, AI (MW-44)
2) = Resampled and analyzed compounds for which second column confirmation was omitted from 155, AI (MW-45)
3) = Quantitated as Ethylbenzene
* = Invalid Data

TABLE N-2. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 3 of 4

Aromatic Volatile Organics (Water); Method 602; Concentrations in ug/L

Compound	Detection Limit (ug/L)	MW-46 *	1)* MW-55	2) MW-46	3) MW-46
Sampling Point:		MW-46	MW-55	MW-46	MW-46
Date Sampled:		8 JAN 87	8 JAN 87	26 FEB 87	26 FEB 87
Date Analyzed:		16 JAN 87	20 JAN 87	2 MAR 87	2 MAR 87
Sticker No., ID:		165, A2	235, A1	585, A1	585, B1
Depth Interval (ft):		8	10	8	8
Benzene	1.0	1.6	1.5	5.0	5.0
Chlorobenzene	1.0	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
Ethylbenzene	1.0	BDL	BDL	BDL	BDL
Toluene	1.0	BDL	BDL	BDL	BDL
Xylene 4)	1.0	---	---	BDL	BDL

BDL = Below Detection Limit
1) = Blind Duplicate of 165, A2 (MW-46)
2) = Resampled and analyzed compounds for which second column confirmation was omitted from 165, A2, (MW-46)
3) = Second Column Confirmation of 585, A1 (MW-46)
4) = Quantitated as Ethylbenzene
* = Invalid Data

TABLE N-2. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 4 of 4

Aromatic Volatile Organics (Water); Method 602; Concentrations in ug/L

Sampling Point:	* MW-47	* MW-48	* MW-49	1) MW-49
Date Sampled:	9 JAN 87	9 JAN 87	9 JAN 87	26 FEB 87
Date Analyzed:	20 JAN 87	20 JAN 87	20 JAN 87	2 MAR 87
Sticker No.:	196, A1	213, A1	207, A2	587, A1
Depth interval (ft):	10	12	8.5	8.5
Compound / Detection Limit (ug/L)				
Benzene 1.0	BDL	BDL	BDL	BDL
Chlorobenzene 1.0	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene 1.0	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene 1.0	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene 1.0	BDL	BDL	BDL	BDL
Ethylbenzene 1.0	BDL	BDL	BDL	BDL
Toluene 1.0	BDL	BDL	BDL	BDL
Xylene 2) 1.0	---	---	---	BDL

BDL = Below Detection Limit
1) = Resampled and analyzed compounds for which second column confirmation was omitted from 207, A2 (MW-49)
2) = Quantitated as Ethylbenzene
* = Invalid Data

TABLE N-3

NON-HALOGENATED VOLATILE ORGANICS (WATER)

NOTE: NOT REQUIRED

LANDFILL 4

TABLE N-4

BASE/NEUTRAL EXTRACTABLES (WATER)

TABLE N-4. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 1 of 11

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Compound	Detection Limit (ug/L)	*	1)	2)
Sampling Site:		MW-13	MW-13	MW-13
Date Sampled:		12 JAN 87	22 APR 87	22 APR 87
Date Extracted:		23 JAN 87	28 APR 87	28 APR 87
Date Analyzed:		28 JAN 87	29 MAY 87	29 MAY 87
Sticker No., ID:		251, E1	668, E1	669, E2
Depth Interval (ft):		22	21	21
Acenaphthene	25	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL
Benzo (ght) Perylene	25	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	25*	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	11*	BDL
Fluoranthene	10	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL
N-Nitrosodiphyenylamine	10	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE N-4. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 2 of 11

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Compound	Detection Limit (ug/L)	* MW-14	1) MW-14	2) MW-14
Sampling Site:				
Date Sampled:		9 JAN 87	14 APR 87	14 APR 87
Date Extracted:		22 JAN 87	16 APR 87	16 APR 87
Date Analyzed:		28 JAN 87	15 MAY 87	18 MAY 87
Sticker No., ID:		236, E1	672, E1	673, E2
Depth Interval (ft):		16	14	14
Acenaphthene	25	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL
Benzo (ght) Perylene	25	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL
N-Nitrosodiphyenylamine	10	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE N-4. RESULTS OF WATER ANALYSES; LANDFILL NO. 4; p. 3 of 11

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Compound	Detection Limit (ug/L)	* MW-43 7 JAN 87 16 JAN 87 19 JAN 87 104, E1 21	1) MW-43 14 APR 87 15 APR 87 14 MAY 87 680, E3 18	2) MW-43 14 APR 87 16 APR 87 14 MAY 87 681, E4 18
Sampling Site:				
Date Sampled:				
Date Extracted:				
Date Analyzed:				
Sticker No., ID:				
Depth Interval (ft):				
Acenaphthene	25	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL
Benzo (ght) Perylene	25	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL
N-Nitrosodiphyenylamine	10	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE N-4. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 4 of 11

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Compound	Detection Limit (ug/L)	1)*	2)	3)
Sampling Site:		MW-04	MW-04	MW-04
Date Sampled:		7 JAN 87	14 APR 87	14 APR 87
Date Extracted:		17 JAN 87	15 APR 87	15 APR 87
Date Analyzed:		22 JAN 87	14 MAY 87	14 MAY 87
Sticker No., ID:		228, E2	661, E2	660, E1
Depth Interval (ft):		10	10	10
Acenaphthene	25	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL
Benzo (ght) Perylene	25	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	18
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL
N-Nitrosodiphyenylamine	10	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Blind Duplicate of 104, E1 (MW-43)
2) = Resampled and Analyzed for Compounds that Exceeded Holding Times (Blind Duplicate of 680, E3 (MW-43))
3) = Duplicate Sample Analyzed
* = Invalid Data

TABLE N-4. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 5 of 11

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Sampling Site:	Detection Limit (ug/L)	* MW-44	1) MW-44	2) MW-44
Date Sampled:		8 JAN 87	16 APR 87	16 APR 87
Date Extracted:		17 JAN 87	23 APR 87	23 APR 87
Date Analyzed:		22 JAN 87	20 MAY 87	19 MAY 87
Sticker No., ID:		152, E2	684, E1	685, E2
Depth Interval (ft):		8	5.5	5.5
Compound				
Acenaphthene	25	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL
Benzo (ght) Perylene	25	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL
N-Nitrosodiphyenylamine	10	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE N-4. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 6 of 11

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Sampling Site:		* MW-45	1) MW-45	2) MW-45
Date Sampled:		8 JAN 87	16 APR 87	16 APR 87
Date Extracted:		17 JAN 87	23 APR 87	23 APR 87
Date Analyzed:		20 JAN 87	18 MAY 87	18 MAY 87
Sticker No., ID:		162, C2	688, E1	689, E2
Depth Interval (ft):		8	5.5	5.5
Compound	Detection Limit (ug/L)			
Acenaphthene	25	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL
Benzo (ght) Perylene	25	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methan.	10	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL
N-Nitrosodiphyenylamine	10	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE N-4. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 7 of 11

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Compound	Detection Limit (ug/L)	MW-46 *	MW-46 1)	MW-46 2)
Sampling Site:		MW-46	MW-46	MW-46
Date Sampled:		8 JAN 87	16 APR 87	16 APR 87
Date Extracted:		17 JAN 87	23 APR 87	23 APR 87
Date Analyzed:		22 JAN 87	19 MAY 87	19 MAY 87
Sticker No., ID:		172, E2	692, E1	693, E2
Depth Interval (Ft):		8	5	5
Acenaphthene	25	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL
Benzo (ght) Perylene	25	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	21*	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL
N-Nitrosodiphyenylamine	10	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE N-4. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4;** p. 8 of 11

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Compound	Detection Limit (ug/L)	*	1)	2)
Sampling Site:		MW-47	MW-47	MW-47
Date Sampled:		9 JAN 87	16 APR 87	16 APR 87
Date Extracted:		22 JAN 87	23 APR 87	23 APR 87
Date Analyzed:		27 JAN 87	18 MAY 87	18 MAY 87
Sticker No., ID:		203, E1	696, E1	697, E2
Depth Interval (ft):		10	5.5	5.5
Acenaphthene	25	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL
Benzo (ght) Perylene	25	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL
N-Nitrosodiphyenylamine	10	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE N-4. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 9 of 11

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Compound	Detection Limit (ug/L)	*	1)	2)
Sampling Site:		MW-48	MW-48	MW-48
Date Sampled:		9 JAN 87	22 APR 87	22 APR 87
Date Extracted:		22 JAN 87	28 APR 87	28 APR 87
Date Analyzed:		28 JAN 87	28 MAY 87	29 MAY 87
Sticker No., ID:		222, E1	700, E1	701, E2
Depth Interval (ft):		12	6	6
Acenaphthene	25	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL
Benzo (ght) Perylene	25	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL
N-Nitrosodiphyenylamine	10	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE N-4. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4;** p. 10 of 11

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Compound	Detection Limit (ug/L)	*	1)	2)
Sampling Site:		MW-49	MW-49	MW-49
Date Sampled:		9 JAN 87	22 APR 87	22 APR 87
Date Extracted:		22 JAN 87	28 APR 87	28 APR 87
Date Analyzed:		27 JAN 87	29 MAY 87	29 MAY 87
Sticker No.. ID:		212, E1	706, E3	707, E4
Depth Interval (ft):		8.5	6	6
Acenaphthene	25	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL
Benzo (ght) Perylene	25	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	14
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	18
Fluoranthene	10	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL
N-Nitrosodiphyenylamine	10	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE N-4. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 11 of 11

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Compound	Detection Limit (ug/L)	1)* MW-57 13 JAN 87 27 JAN 87 30 JAN 87 317, E1 10	2)* MW-57 22 APR 87 28 APR 87 29 MAY 87 735, E1 6	3)* MW-57 22 APR 87 28 APR 87 29 MAY 87 771, E2 6	MW-56 22 APR 87 28 APR 87 29 MAY 87 733, BLANK
Sampling Site:					
Date Sampled:					
Date Extracted:					
Date Analyzed:					
Sticker No., ID:					
Depth Interval (ft):					
Acenaphthene	25	BDL	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL	BDL
Benzo (ght) Perylene	25	BDL	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	26	BDL	26
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	20	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL	20
Fluoranthene	10	BDL	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL	BDL
N-Nitrosodiphyenylamine	10	BDL	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Blind Duplicate of 212, E1 (MW-49)
2) = Resampled and Analyzed for Compounds that Exceeded Holding Times (Blind Duplicate of 706, E3 [MW-49])
3) = Duplicate Sample Analyzed
* = Invalid Data

TABLE N-5

HALOGENATED VOLATILE ORGANICS (WATER)

TABLE N-5. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 1 of 5

Halogenated Volatile Organics (Water); Method 601; Concentrations in ug/L

Compound	Detection Limit (ug/L)	MW-13 *	MW-13 1)	MW-13 2) *	MW-14 *	MW-57 3) *
Sampling Point:		MW-13	MW-13	MW-13	MW-14	MW-57
Date Sampled:		12 JAN 87	26 FEB 87	26 FEB 87	9 JAN 87	9 JAN 87
Date Analyzed:		23 JAN 87	1 MAR 87	11 MAR 87	20 JAN 87	20 JAN 87
Sticker No., ID:		241, A2	589, A1	590, A2	230, A2	314, A1
Depth Interval (ft):		22	22	22	16	12
Bromodichloromethane	1.0	BDL	BDL	BDL	BDL	BDL
Bromoform	1.0	BDL	BDL	BDL	BDL	BDL
Bromomethane	1.0	BDL	BDL	BDL	BDL	BDL
Carbon Tetrachloride	1.0	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL
Chloroethane	1.0	BDL	BDL	BDL	BDL	BDL
2-Chlorethylvinyl Ether	1.0	BDL	BDL	BDL	BDL	BDL
Chloroform	1.0	BDL	BDL	BDL	BDL	BDL
Chloromethane	1.0	BDL	BDL	BDL	BDL	BDL
Dibromochloromethane	1.0	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1.0	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	1.0	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	1.0	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethene	1.0	BDL	BDL	22.0	BDL	BDL
trans-1,2-Dichloroethene	1.0	19.0	41.0	52.0	BDL	BDL
1,2-Dichloropropene	1.0	BDL	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	1.0	BDL	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	1.0	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	1.0	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	1.0	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	1.0	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	1.0	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	1.0	2.3	BDL	BDL	BDL	BDL
Trichloroethene	1.0	BDL	3.8	16.0	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and analyzed compounds for which second column confirmation was omitted from 241, A2 (MW-13)
2) = Second Column Confirmation of Sample 589, A1 (MW-13)
3) = Blind Duplicate of 230, A2 (MW-14)
* = Invalid Data

TABLE N-5. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 2 of 5

Halogenated Volatile Organics (Water); Method 601; Concentrations in ug/L

Compound	Detection Limit (ug/L)	MW-43	MW-44 *	MW-44 1)	MW-44 2)*
Sampling Point:		MW-43	MW-44	MW-44	MW-44
Date Sampled:		7 JAN 87	8 JAN 87	26 FEB 87	26 FEB 87
Date Analyzed:		16 JAN 87	16 JAN 87	1 MAR 87	11 MAR 87
Sticker No., ID:		94, A2	146, A2	581, A1	582, A2
Depth Interval (ft):		21	8	8	22
Bromodichloromethane	1.0	BDL	BDL	BDL	BDL
Bromoform	1.0	BDL	BDL	BDL	BDL
Bromomethane	1.0	BDL	BDL	BDL	BDL
Carbon Tetrachloride	1.0	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	BDL	BDL	BDL
Chloroethane	1.0	BDL	BDL	BDL	BDL
2-Chlorethylvinyl Ether	1.0	BDL	BDL	BDL	BDL
Chloroform	1.0	BDL	BDL	BDL	BDL
Chloromethane	1.0	BDL	BDL	BDL	BDL
Dibromochloromethane	1.0	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1.0	BDL	BDL	BDL	BDL
1,1-Dichloroethane	1.0	BDL	BDL	BDL	BDL
1,2-Dichloroethane	1.0	BDL	BDL	BDL	BDL
1,1-Dichloroethene	1.0	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	1.0	BDL	7.8	3.6	18.0
1,2-Dichloropropene	1.0	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL
Methylene Chloride	1.0	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	1.0	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	1.0	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	1.0	BDL	BDL	BDL	BDL
Tetrachloroethene	1.0	BDL	BDL	BDL	BDL
Trichlorofluoromethane	1.0	BDL	BDL	BDL	BDL
Vinyl Chloride	1.0	BDL	BDL	BDL	BDL
Trichloroethene	1.0	BDL	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and analyzed compounds for which second column confirmation was omitted from 146, A2 (MW-44)
2) = Second Column Confirmation of 581, A1 (MW-44)
* = Invalid Data

TABLE N-5. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 3 of 5

Halogenated Volatile Organics (Water); Method 601; Concentrations in ug/L

Compound	Detection Limit (ug/L)	* MW-45 8 JAN 87 16 JAN 87 156, A2 8	1) MW-45 26 FEB 87 1 MAR 87 583, A1 8	2)* MW-45 26 FEB 87 11 MAR 87 584, A2 8
Sampling Point:				
Date Sampled:				
Date Analyzed:				
Sticker No., ID:				
Depth Interval (ft):				
Bromodichloromethane	1.0	BDL	BDL	BDL
Bromoform	1.0	BDL	BDL	BDL
Bromomethane	1.0	BDL	BDL	BDL
Carbon Tetrachloride	1.0	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	BDL	BDL
Chloroethane	1.0	BDL	BDL	BDL
2-Chlorethylvinyl Ether	1.0	BDL	BDL	BDL
Chloroform	1.0	BDL	BDL	BDL
Chloromethane	1.0	BDL	BDL	BDL
Dibromochloromethane	1.0	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL
Dichlorodifluoromethane	1.0	BDL	BDL	BDL
1,1-Dichloroethane	1.0	7.6	6.0	6.3
1,2-Dichloroethane	1.0	BDL	BDL	BDL
1,1-Dichloroethene	1.0	BDL	BDL	BDL
trans-1,2-Dichloroethene	1.0	BDL	1.0	3.5
1,2-Dichloropropene	1.0	BDL	BDL	BDL
cis-1,3-Dichloropropene	1.0	BDL	BDL	BDL
trans-1,3-Dichloropropene	1.0	BDL	BDL	BDL
Methylene Chloride	1.0	BDL	6.0	BDL
1,1,2,2-Tetrachloroethane	1.0	BDL	BDL	BDL
1,1,1-Trichloroethane	1.0	BDL	BDL	BDL
1,1,2-Trichloroethane	1.0	BDL	BDL	BDL
Tetrachloroethene	1.0	BDL	BDL	BDL
Trichlorofluoromethane	1.0	BDL	BDL	BDL
Vinyl Chloride	1.0	BDL	BDL	BDL
Trichloroethene	1.0	1.3	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and analyzed compounds for which second column confirmation was omitted from 156, A2 (MW-45)
2) = Second Column Confirmation of 583, A1 (MW-45)
* = Invalid Data

TABLE N-5. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 4 of 5

Halogenated Volatile Organics (Water); Method 601; Concentrations in ug/L

Compound	Detection Limit (ug/L)	*	1)*	2)	3)*
Sampling Point:		MW-46	MW-55	MW-46	MW-46
Date Sampled:		8 JAN 87	8 JAN 87	26 FEB 87	26 FEB 87
Date Analyzed:		16 JAN 87	20 JAN 87	1 MAR 87	11 MAR 87
Sticker No.:		166, A2	226, A2	585, A1	586, A2
Depth Interval (ft):		8	10	8	8
Bromodichloromethane	1.0	BDL	BDL	BDL	BDL
Bromoform	1.0	BDL	BDL	BDL	BDL
Bromomethane	1.0	BDL	BDL	BDL	BDL
Carbon Tetrachloride	1.0	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	BDL	BDL	BDL
Chloroethane	1.0	BDL	BDL	BDL	BDL
2-Chlorethylvinyl Ether	1.0	BDL	BDL	BDL	BDL
Chloroform	1.0	BDL	BDL	BDL	BDL
Chloromethane	1.0	BDL	BDL	BDL	BDL
Dibromochloromethane	1.0	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1.0	BDL	BDL	BDL	BDL
1,1-Dichloroethane	1.0	BDL	BDL	BDL	BDL
1,2-Dichloroethane	1.0	BDL	BDL	BDL	BDL
1,1-Dichloroethene	1.0	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	1.0	1.2	3.2	13.0	17.0
1,2-Dichloropropene	1.0	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL
Methylene Chloride	1.0	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	1.0	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	1.0	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	1.0	BDL	BDL	BDL	BDL
Tetrachloroethene	1.0	BDL	BDL	BDL	BDL
Trichlorofluoromethane	1.0	BDL	BDL	BDL	BDL
Vinyl Chloride	1.0	BDL	BDL	BDL	BDL
Trichloroethene	1.0	BDL	1.4	3.6	10.0

BDL = Below Detection Limit
1) = Blind Duplicate of 166, A2 (MW-46)
2) = Resampled and analyzed compounds for which second column confirmation was omitted from 166, A2 (MW-46)
3) = Second Column Confirmaton of 585, A1 (MW-46)
* = Invalid Data

TABLE N-5. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 5 of 5

Halogenated Volatile Organics (Water); Method 601; Concentrations in ug/L

Compound	Detection Limit (ug/L)	MW-47*	MW-48*	MW-49*	MW-49 1)	MW-49 2)*
Sampling Point:		MW-47	MW-48	MW-49	MW-49	MW-49
Date Sampled:		9 JAN 87	9 JAN 87	9 JAN 87	26 FEB 87	26 FEB 87
Date Analyzed:		20 JAN 87	20 JAN 87	20 JAN 87	1 MAR 87	11 MAR 87
Sticker No., ID:		197, A2	217, A2	208, A2	587, A1	588, A2
Depth Interval (ft):		10	12	8.5	8.5	8.5
Bromodichloromethane	1.0	BDL	BDL	BDL	BDL	BDL
Bromoform	1.0	BDL	BDL	BDL	BDL	BDL
Bromomethane	1.0	BDL	BDL	BDL	BDL	BDL
Carbon Tetrachloride	1.0	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL
Chloroethane	1.0	BDL	BDL	BDL	BDL	BDL
2-Chlorethylvinyl Ether	1.0	BDL	BDL	BDL	BDL	BDL
Chloroform	1.0	BDL	BDL	BDL	BDL	BDL
Chloromethane	1.0	BDL	BDL	BDL	BDL	BDL
Dibromochloromethane	1.0	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1.0	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	1.0	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	1.0	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethene	1.0	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	1.0	BDL	BDL	1.1	1.7	6.4
1,2-Dichloropropene	1.0	BDL	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	1.0	BDL	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	1.0	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	1.0	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	1.0	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	1.0	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	1.0	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	1.0	BDL	BDL	BDL	BDL	BDL
Trichloroethene	1.0	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and analyzed compounds for which second column confirmation was omitted from 208, A2 (MW-49)
2) = Second Column Confirmation of 587, A1 (MW-49)
*. = Invalid Data

TABLE N-6

PCB'S AND PESTICIDES (WATER)

TABLE N-6. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 1 of 6

PCB's and Pesticides (Water); Method 625P; Concentrations in ug/L

Compound	Detection Limit (ug/L)	* MW-13	1) MW-13	2) MW-13	* MW-14	1) MW-14	2) MW-14
Sampling Point:							
Date Sampled:		12 JAN 87	22 APR 87	22 APR 87	9 JAN 87	14 APR 87	14 APR 87
Date Extracted:		23 JAN 87	28 APR 87	28 APR 87	22 JAN 87	16 APR 87	16 APR 87
Date Analyzed:		28 JAN 87	29 MAY 87	29 MAY 87	28 JAN 87	15 MAY 87	18 APR 87
Sticker No., ID:		251, E1	668, E1	669, E2	236, E1	672, E1	673, E2
Depth Interval (ft):		22	21	22	16	14	14
Aldrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Alpha - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Beta - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Delta - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Gamma - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Chlordane	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	10	BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan I	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan II	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL	BDL	BDL	BDL	BDL
Endrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	10	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor	10	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	10	BDL	BDL	BDL	BDL	BDL	BDL
Toxaphene	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1016	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1221	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1232	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1242	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1248	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1254	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1260	10	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE N-6. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 2 of 6

PCB's and Pesticides (Water); Method 625P; Concentrations in ug/L

Compound	Detection Limit (ug/L)	Sampling Point:	* MW-43	1) MW-43	2) MW-43	3) MW-04	1),4) MW-04	2),5) MW-04
		Date Sampled:	7 JAN 87	14 APR 87	14 APR 87	8 JAN 87	14 APR 87	14 APR 87
		Date Extracted:	16 JAN 87	15 APR 87	16 APR 87	17 JAN 87	15 APR 87	15 APR 87
		Date Analyzed:	19 JAN 87	14 MAY 87	14 MAY 87	22 JAN 87	14 MAY 87	14 MAY 87
		Sticker No., ID:	104, E2	680, E3	681, E4	228, E2	660, E1	661, E2
		Depth Interval (ft):	21	18	18	10	10	10
Aldrin	10		BDL	BDL	BDL	BDL	BDL	BDL
Alpha - BHC	10		BDL	BDL	BDL	BDL	BDL	BDL
Beta - BHC	10		BDL	BDL	BDL	BDL	BDL	BDL
Delta - BHC	10		BDL	BDL	BDL	BDL	BDL	BDL
Gamma - BHC	10		BDL	BDL	BDL	BDL	BDL	BDL
Chlordane	10		BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	10		BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	10		BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	10		BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin	10		BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan I	10		BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan II	10		BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	10		BDL	BDL	BDL	BDL	BDL	BDL
Endrin	10		BDL	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	10		BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor	10		BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	10		BDL	BDL	BDL	BDL	BDL	BDL
Toxaphene	10		BDL	BDL	BDL	BDL	BDL	BDL
PCB 1016	10		BDL	BDL	BDL	BDL	BDL	BDL
PCB 1221	10		BDL	BDL	BDL	BDL	BDL	BDL
PCB 1232	10		BDL	BDL	BDL	BDL	BDL	BDL
PCB 1242	10		BDL	BDL	BDL	BDL	BDL	BDL
PCB 1248	10		BDL	BDL	BDL	BDL	BDL	BDL
PCB 1254	10		BDL	BDL	BDL	BDL	BDL	BDL
PCB 1260	10		BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
3) = Blind Duplicate of 104, E2 (MW-43)
4) = Blind Duplicate of 680, E3 (MW-43)
5) = Blind Duplicate of 681, E4 (MW-43)
* = Invalid Data

TABLE N-6. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 3 of 6

PCB's and Pesticides (Water); Method 625P; Concentrations in ug/L

Sampling Point:		* MW-44	1) MW-44	2) MW-44	* MW-45	1) MW-45	2) MW-45
Date Sampled:		8 JAN 87	16 APR 87	16 APR 87	8 JAN 87	16 APR 87	16 APR 87
Date Extracted:		17 JAN 87	23 APR 87	23 APR 87	17 JAN 87	23 APR 87	23 APR 87
Date Analyzed:		22 JAN 87	20 MAY 87	19 MAY 87	20 JAN 87	18 MAY 87	18 MAY 87
Sticker No., ID:		152, E2	684, E1	685, E2	162, E2	688, E1	689, E2
Depth Interval (ft):		8	5.5	5.5	8	5.5	5.5
Compound	Detection Limit (ug/L)						
Aldrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Alpha - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Beta - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Delta - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Gamma - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Chlordane	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	10	BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan I	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan II	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL	BDL	BDL	BDL	BDL
Endrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	10	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor	10	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	10	BDL	BDL	BDL	BDL	BDL	BDL
Toxaphene	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1016	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1221	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1232	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1242	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1248	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1254	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1260	10	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE N-6. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 4 of 6

PCB's and Pesticides (Water); Method 625P; Concentrations in ug/L

Compound	Detection Limit (ug/L)	* MW-46	1) MW-46	2) MW-46	* MW-47	1) MW-47	2) MW-47
Sampling Point:							
Date Sampled:		8 JAN 87	16 APR 87	16 APR 87	8 JAN 87	16 APR 87	16 APR 87
Date Extracted:		17 JAN 87	23 APR 87	23 APR 87	22 JAN 87	23 APR 87	23 APR 87
Date Analyzed:		22 JAN 87	19 MAY 87	19 MAY 87	27 JAN 87	18 MAY 87	18 MAY 87
Sticker No., ID:		172, E2	692, E1	685, E2	203, E1	696, E1	697, E2
Depth Interval (ft):		8	5	5	10	5.5	5.5
Aldrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Alpha - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Beta - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Delta - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Gamma - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Chlordane	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	10	BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan I	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan II	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL	BDL	BDL	BDL	BDL
Endrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	10	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor	10	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	10	BDL	BDL	BDL	BDL	BDL	BDL
Toxaphene	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1016	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1221	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1232	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1242	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1248	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1254	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1260	10	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE N-6. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 5 of 6

PCB's and Pesticides (Water); Method 625P; Concentrations in ug/L

Compound	Detection Limit (ug/L)	* MW-48	1) MW-48	2) MW-48	* MW-49	1) MW-49	2) MW-49
Sampling Point:							
Date Sampled:		9 JAN 87	22 APR 87	22 APR 87	9 JAN 87	22 APR 87	22 APR 87
Date Extracted:		22 JAN 87	28 APR 87	28 APR 87	22 JAN 87	28 APR 87	28 APR 87
Date Analyzed:		28 JAN 87	28 MAY 87	28 MAY 87	27 JAN 87	29 MAY 87	29 MAY 87
Sticker No., ID:		222, E1	700, E1	701, E2	212, E1	706, E3	707, E4
Depth Interval (ft):		12	6	6	8.5	6	6
Aldrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Alpha - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Beta - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Delta - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Gamma - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Chlordane	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	10	BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan I	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan II	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL	BDL	BDL	BDL	BDL
Endrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	10	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor	10	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	10	BDL	BDL	BDL	BDL	BDL	BDL
Toxaphene	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1016	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1221	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1232	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1242	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1248	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1254	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1260	10	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE N-6. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 6 of 6

PCB's and Pesticides (Water); Method 625P; Concentrations in ug/L

Sampling Point:		1)* MW-57	2) MW-57	3) MW-57
Date Sampled:		13 JAN 87	22 APR 87	22 APR 87
Date Extracted:		27 JAN 87	28 APR 87	28 APR 87
Date Analyzed:		30 JAN 87	29 MAY 87	29 MAY 87
Sticker No., ID:		317, E1	735, E1	771, E2
Depth Interval (ft):		10	6	6
Compound	Detection Limit (ug/L)			
Aldrin	10	BDL	BDL	BDL
Alpha - BHC	10	BDL	BDL	BDL
Beta - BHC	10	BDL	BDL	BDL
Delta - BHC	10	BDL	BDL	BDL
Gamma - BHC	10	BDL	BDL	BDL
Chlordane	10	BDL	BDL	BDL
4,4'-DDD	10	BDL	BDL	BDL
4,4'-DDE	10	BDL	BDL	BDL
4,4'-DDT	10	BDL	BDL	BDL
Dieldrin	10	BDL	BDL	BDL
Endosulfan I	10	BDL	BDL	BDL
Endosulfan II	10	BDL	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL	BDL
Endrin	10	BDL	BDL	BDL
Endrin Aldehyde	10	BDL	BDL	BDL
Heptachlor	10	BDL	BDL	BDL
Heptachlor Epoxide	10	BDL	BDL	BDL
Toxaphene	10	BDL	BDL	BDL
PCB 1016	10	BDL	BDL	BDL
PCB 1221	10	BDL	BDL	BDL
PCB 1232	10	BDL	BDL	BDL
PCB 1242	10	BDL	BDL	BDL
PCB 1248	10	BDL	BDL	BDL
PCB 1254	10	BDL	BDL	BDL
PCB 1260	10	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Blind Duplicate of 212, E1 (MW-49)
2) = Resampled and Analyzed for Compounds that Exceeded Holding Times (Blind Duplicate of 706, E3 (MW-49))
3) = Duplicate Sample Analyzed (Blind Duplicate of 707, E4 (MW-49))
* = Invalid Data

TABLE N-7

PETROLEUM HYDROCARBONS (WATER)

TABLE N-7. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 1 of 2

Petroleum Hydrocarbons (Water); Method E418.1; Concentrations in mg/L

Sampling Point:	MW-13 *	MW-14 *	MW-43 *	MW-44 *	MW-02 1) *
Date Sampled:	12 JAN 87	9 JAN 87	7 JAN 87	8 JAN 87	8 JAN 87
Date Extracted:	27 JAN 87	27 JAN 87	13 JAN 87	13 JAN 87	13 JAN 87
Date Analyzed:	27 JAN 87	27 JAN 87	13 JAN 87	13 JAN 87	13 JAN 87
Sticker No., ID:	250, C	233, C	97, C	149, C	321, C
Depth Interval (ft):	22	16	21	8	13
Compound / Detection Limit (mg/L)					
Hydrocarbons 2.0	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Blind Duplicate of 149, C (MW-44)
* = Invalid Data

TABLE N-7. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4;** p. 2 of 2

Petroleum Hydrocarbons (Water); Method E418.1; Concentrations in mg/L

Sampling Point:		* MW-45	* MW-46	* MW-47	* MW-48	* MW-49
Date Sampled:		8 JAN 87	8 JAN 87	9 JAN 87	9 JAN 87	9 JAN 87
Date Extracted:		13 JAN 87	13 JAN 87	27 JAN 87	27 JAN 87	27 JAN 87
Date Analyzed:		13 JAN 87	13 JAN 87	27 JAN 87	27 JAN 87	27 JAN 87
Sticker No., ID:		159, C	169, C	206, C	220, C	210, C
Depth Interval (ft):		8	8	10	12	8.5
Compound	Detection Limit (mg/L)					
Hydrocarbons	2.0	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

* = Invalid Data

TABLE N-8

ACID EXTRACTABLES (SEDIMENT)

TABLE N-8. **RESULTS OF SEDIMENT ANALYSES; LANDFILL NO. 4**; p. 1 of 1

Acid Extractables (Sediment); Method 625 A; Concentrations in mg/Kg

Compound	Detection Limits (mg/Kg)	Sampling Point: SD-12 Date Sampled: 20 JAN 87 Date Extracted: 30 JAN 87 Date Analyzed: 3 FEB 87 Sticker No., ID: 371, A	Sampling Point: SD-13 Date Sampled: 20 JAN 87 Date Extracted: 30 JAN 87 Date Analyzed: 3 FEB 87 Sticker No., ID: 375, A
4-Chloro-3-Methylphenol	6.250	BDL	BDL
2-Chlorophenol	6.250	BDL	BDL
2,4-Dichlorophenol	6.250	BDL	BDL
2,4-Dimethylphenol	6.250	BDL	BDL
2,4-Dinitrophenol	62.50	BDL	BDL
2-Methyl-4,6-Dinitrophenol	62.50	BDL	BDL
2-Nitrophenol	6.250	BDL	BDL
4-Nitrophenol	6.250	BDL	BDL
Pentachlorophenol	6.250	BDL	BDL
Phenol	6.250	BDL	BDL
2,4,6-Trichlorophenol	6.250	BDL	BDL

BDL = Below Detection Limits

TABLE N-9

AROMATIC VOLATILE ORGANICS (SEDIMENT)

TABLE N-9. **RESULTS OF SEDIMENT ANALYSES; LANDFILL NO. 4**; p. 1 of 1

Aromatic Volatile Organics (Sediments); Method SW 5030/602; Concentrations in mg/Kg

Compound	Detection Limit (mg/Kg)	Sampling Point: / Date Sampled: / Date Analyzed: / Sticker No., ID:				
		* SD-12 20 JAN 87 3 MAR 87 371, A	1) SD-12 25 FEB 87 3 MAR 87 806, A1	* SD-13 20 JAN 87 3 FEB 87 375, A	2) SD-13 25 FEB 87 3 MAR 87 807, A1	3) SD-13 25 FEB 87 3 MAR 87 807,A1
Benzene	0.001	BDL	BDL	BDL	0.005	BDL
Chlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	0.001	BDL	BDL	BDL	BDL	BDL
Toluene	0.001	BDL	BDL	BDL	BDL	BDL
Xylene 4)	0.001	---	BDL	---	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and analyzed compounds for which second column confirmation was omitted from 371, A (SD-12)
2) = Resampled and analyzed compounds for which second column confirmation was omitted from 375, A (SD-13)
3) = Second column confirmation of 807,A1 (SD-13)
4) = Quantitated as Ethylbenzene
* = Invalid Data

TABLE N-10

NON-HALOGENATED VOLATILE ORGANICS (SEDIMENT)

TABLE N-10. **RESULTS OF SEDIMENT ANALYSES; LANDFILL NO. 4**; p. 1 of 1

Non-Halogenated Volatile Organics (Sediments); Method SW 5030/8015; Concentrations in mg/Kg

Compound	Detection Limit (mg/Kg)	SD-12	SD-13
Sampling Point:		SD-12	SD-13
Date Sampled:		20 JAN 87	20 JAN 87
Date Analyzed:		2 FEB 87	3 FEB 87
Sticker No., ID:		371, A	375, A
Acrylamide	0.025	BDL	BDL
Carbon Disulfide	0.025	BDL	BDL
Diethyl Ether	0.025	BDL	BDL
Methyl Ethyl Ketone	0.025	BDL	BDL
Methyl Isobutyl Ketone	0.025	BDL	BDL
Paraldehyde	0.025	BDL	BDL

BDL = Below Detection Limit

TABLE N-11

BASE/NEUTRAL EXTRACTABLES (SEDIMENT)

TABLE N-11. **RESULTS OF SEDIMENT ANALYSES; LANDFILL NO. 4**; p. 1 of 1

Base/Neutral Extractables (Sediment); Method SW3550/625B/N; Concentrations in mg/Kg

Compound	Detection Limit (mg/Kg)	SD-12	SD-13
Sampling Site:		SD-12	SD-13
Date Sampled:		12 JAN 87	12 JAN 87
Date Extracted:		30 JAN 87	30 JAN 87
Date Analyzed:		3 FEB 87	3 JAN 87
Sticker No., ID:		371, A	375, A
Acenaphthene	6.250	BDL	BDL
Acenaphthylene	2.500	BDL	BDL
Anthracene	2.500	BDL	BDL
Benzidine	2.500	BDL	BDL
Benzo (a) Anthracene	2.500	BDL	BDL
Benzo (a) Pyrene	2.500	BDL	BDL
Benzo (b) Fluoranthene	2.500	BDL	BDL
Benzo (ghi) Perylene	6.250	BDL	BDL
Benzo (k) Fluoranthene	2.500	BDL	BDL
Bis (2-Chloroethoxy) Methane	2.500	BDL	BDL
Bis (2-Chloroethyl) Ether	2.500	BDL	BDL
Bis (2-Chloroisopropyl) Ether	2.500	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	2.500	BDL	BDL
4-Bromophenyl Phenyl Ether	2.500	BDL	BDL
Benzyl Butyl Phthalate	2.500	BDL	BDL
2-Chloronaphthalene	2.500	BDL	BDL
4-Chlorophenyl Phenyl Ether	2.500	BDL	BDL
Chrysene	2.500	BDL	BDL
Dibenzo (a,h) Anthracene	2.500	BDL	BDL
1,2-Dichlorobenzene	2.500	BDL	BDL
1,3-Dichlorobenzene	2.500	BDL	BDL
1,4-Dichlorobenzene	2.500	BDL	BDL
3,3-Dichlorobenzidine	2.500	BDL	BDL
Diethyl Phthalate	2.500	BDL	BDL
Dimethyl Phthalate	2.500	BDL	BDL
Di-N-Butyl Phthalate	2.500	BDL	BDL
2,4-Dinitrotoluene	2.500	BDL	BDL
2,6-Dinitrotoluene	2.500	BDL	BDL
Di-N-Octylphthalate	2.500	BDL	BDL
Fluoranthene	2.500	BDL	BDL
Fluorene	2.500	BDL	BDL
Hexachlorobenzene	2.500	BDL	BDL
Hexachlorobutadiene	2.500	BDL	BDL
Hexachlorocyclopentadiene	2.500	BDL	BDL
Hexachloroethane	2.500	BDL	BDL
Indeno (1,2,3-cd) Pyrene	6.250	BDL	BDL
Isophorone	2.500	BDL	BDL
Naphthalene	2.500	BDL	BDL
Nitrobenzene	2.500	BDL	BDL
N-Nitrosodimethylamine	2.500	BDL	BDL
N-Nitroso-Di-N-Propylamine	2.500	BDL	BDL
N-Nitrosodiphyenylamine	2.500	BDL	BDL
Phenanthrene	2.500	BDL	BDL
Pyrene	2.500	BDL	BDL
1,2,4-Trichlorobenzene	2.500	BDL	BDL

BDL = Below Detection Limit

TABLE N-12

HALOGENATED VOLATILE ORGANICS (SEDIMENT)

TABLE N-12. **RESULTS OF SEDIMENT ANALYSES; LANDFILL NO. 4**; p. 1 of 1

Halogenated Volatile Organics (Sediments); Method 601; Concentrations in mg/Kg

Compound	Detection Limit (mg/Kg)	*	1)	2)	*	3)	4)
Sampling Point:		SD-12	SD-12	SD-12	SD-13	SD-13	SD-13
Date Sampled:		20 JAN 87	25 FEB 87	25 FEB 87	20 JAN 87	25 FEB 87	25 FEB 87
Date Analyzed:		3 FEB 87	1 MAR 87	12 MAR 87	3 FEB 87	1 MAR 87	12 MAR 87
Sticker No., ID:		371, A	806, A	806, A1	375, A	807, A1	807, A2
Bromodichloromethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Carbon Tetrachloride	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorethylvinyl Ether	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Dibromochloromethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	0.001	BDL	BDL	BDL	0.0012	BDL	BDL
1,2-Dichloroethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethene	0.001	BDL	BDL	BDL	0.0019	BDL	BDL
trans-1,2-Dichloroethene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	0.001	BDL	BDL	BDL	0.220	BDL	BDL
Vinyl Chloride	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2,-Trichloro-1,2,2-Trifluoroethane	0.001	0.0035			0.160		

BDL = Below Detection Limit
1) = Resampled and analyzed compounds for which second column confirmation was omitted from 371, A (SD-12)
2) = Second Column Confirmation Sample of 806, A (SD-12)
3) = Resampled and analyzed compounds for which second column confirmation was omitted from 375, A (SD-13)
4) = Second Column Confirmation Sample of 807, A1 (SD-13)
* = Invalid Data

TABLE N-13

PCB'S AND PESTICIDES (SEDIMENT)

TABLE N-13. **RESULTS OF SEDIMENT ANALYSES; LANDFILL NO. 4**; p. 1 of 1

PCB's and Pesticides (Sediment); Method 625P; Concentrations in mg/Kg

Compound	Detection Limit (mg/Kg)	SD-12	SD-13
Sampling Point:		SD-12	SD-13
Date Sampled:		20 JAN 87	20 JAN 87
Date Extracted:		30 JAN 87	30 JAN 87
Date Analyzed:		3 FEB 87	3 FEB 87
Sticker No., ID:		371, A	375, A
Aldrin	2.50	BDL	BDL
Alpha - BHC	2.50	BDL	BDL
Beta - BHC	2.50	BDL	BDL
Delta - BHC	2.50	BDL	BDL
Gamma - BHC	2.50	BDL	BDL
Chlordane	2.50	BDL	BDL
4,4'-DDD	2.50	BDL	BDL
4,4'-DDE	2.50	BDL	BDL
4,4'-DDT	2.50	BDL	BDL
Dieldrin	2.50	BDL	BDL
Endosulfan I	2.50	BDL	BDL
Endosulfan II	2.50	BDL	BDL
Endosulfan Sulfate	2.50	BDL	BDL
Endrin	2.50	BDL	BDL
Endrin Aldehyde	2.50	BDL	BDL
Heptachlor	2.50	BDL	BDL
Heptachlor Epoxide	2.50	BDL	BDL
Toxaphene	2.50	BDL	BDL
PCB 1016	2.50	BDL	BDL
PCB 1221	2.50	BDL	BDL
PCB 1232	2.50	BDL	BDL
PCB 1242	2.50	BDL	BDL
PCB 1248	2.50	BDL	BDL
PCB 1254	2.50	BDL	BDL
PCB 1260	2.50	BDL	BDL

BDL = Below Detection Limits

TABLE N-14

PETROLEUM HYDROCARBONS (SEDIMENT)

TABLE N-14. **RESULTS OF SEDIMENT ANALYSES; LANDFILL NO. 4**; p. 1 of 1

Petroleum Hydrocarbons (Sediment); Method SW3550/E418.1; Concentrations in mg/Kg

Compound	Detection Limit (mg/Kg)	SD-12	SD-13
Sampling Point:		SD-12	SD-13
Date Sampled:		20 JAN 87	20 JAN 87
Date Extracted:		2 FEB 87	2 FEB 87
Date Analyzed:		3 FEB 87	3 FEB 87
Sticker No., ID:		371, A	375, A
Hydrocarbons	25	BDL	BDL

BDL = Below Detection Limit

TABLE N-15

ACID EXTRACTABLES (SURFACE WATER)

TABLE N-15. **RESULTS OF WATER ANALYSES; LANDFILL No. 4**; p. 1 of 1

Acid Extractables (Surface Water); Method 625 A; Concentrations in ug/L

Compound	Detection Limits (ug/L)	*	1)	2)	*	1)	2)
Sampling Point:		SW-10	SW-10	SW-10	SW-11	SW-11	SW-11
Date Sampled:		12 JAN 87	14 APR 87	14 APR 87	12 JAN 87	14 APR 87	14 APR 87
Date Extracted:		23 JAN 87	17 APR 87	17 APR 87	23 JAN 87	17 APR 87	17 APR 87
Date Analyzed:		30 JAN 87	14 MAY 87	15 MAY 87	30 JAN 87	18 MAY 87	18 MAY 87
Sticker No., ID:		182, E2	736, E1	737, E2	192, E2	740, E1	741, E1
4-Chloro-3-Methylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Pentachlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Phenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE N-16

AROMATIC VOLATILE ORGANICS (SURFACE WATER)

TABLE N-16. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 1 of 1

Aromatic Volatile Organics (Surface Water); Method 602; Concentrations in ug/L

Compound	Detection Limit (ug/L)	SW-10 *	SW-11 *
Sampling Point:		SW-10	SW-11
Date Sampled:		12 JAN 87	12 JAN 87
Date Analyzed:		23 JAN 87	23 JAN 87
Sticker No., ID:		175, AI	185, AI
Benzene	1.0	BDL	BDL
Chlorobenzene	1.0	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL
Ethylbenzene	1.0	BDL	BDL
Toluene	1.0	BDL	BDL

BDL = Below Detection Limit
* = Invalid Data

TABLE N-17

NON-HALOGENATED VOLATILE ORGANICS (SURFACE WATER)

[NOT REQUIRED]

TABLE N-18

BASE/NEUTRAL EXTRACTABLES (SURFACE WATER)

TABLE N-18. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 1 of 1

Base/Neutral Extractables (Surface Water); Method 625B/N; Concentrations in ug/L

Compound	Detection Limit (ug/L)	* SW-10 12 JAN 87 23 JAN 87 30 JAN 87 181, E1	1) SW-10 14 APR 87 17 APR 87 14 MAY 87 736, E1	2) SW-10 14 APR 87 17 APR 87 15 MAY 87 737, E2	* SW-11 12 JAN 87 23 JAN 87 30 JAN 87 191, G1	1) SW-11 14 APR 87 17 APR 87 18 MAY 87 740, E1	2) SW-11 14 APR 87 17 APR 87 18 MAY 87 741, E2
Sampling Site:							
Date Sampled:							
Date Extracted:							
Date Analyzed:							
Sticker No., ID:							
Acenaphthene	25	BDL	BDL	BDL	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	BDL	BDL	BDL	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL	BDL	BDL	BDL
N-Nitrosodiphenylamine	10	BDL	BDL	BDL	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE N-19

HALOGENATED VOLATILE ORGANICS (SURFACE WATER)

TABLE N-19. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 1 of 1

Halogenated Volatile Organics (Surface Water); Method 601; Concentrations in ug/L

Compound	Detection Limit (ug/L)	Sampling Point: SW-10 * Date Sampled: 12 JAN 87 Date Analyzed: 23 JAN 87 Sticker No., ID: 176, A2	Sampling Point: SW-11 * Date Sampled: 12 JAN 87 Date Analyzed: 23 JAN 87 Sticker No., ID: 186, A2
Bromodichloromethane	1.0	BDL	BDL
Bromoform	1.0	BDL	BDL
Bromomethane	1.0	BDL	BDL
Carbon Tetrachloride	1.0	BDL	BDL
Chlorobenzene	1.0	BDL	BDL
Chloroethane	1.0	BDL	BDL
2-Chlorethylvinyl Ether	1.0	BDL	BDL
Chloroform	1.0	BDL	BDL
Chloromethane	1.0	BDL	BDL
Dibromochloromethane	1.0	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL
Dichlorodifluoromethane	1.0	BDL	BDL
1,1-Dichloroethane	1.0	BDL	BDL
1,2-Dichloroethane	1.0	BDL	BDL
1,1-Dichloroethene	1.0	BDL	BDL
trans-1,2-Dichloroethene	1.0	BDL	BDL
1,2-Dichloropropene	1.0	BDL	BDL
cis-1,3-Dichloropropene	1.0	BDL	BDL
trans-1,3-Dichloropropene	1.0	BDL	BDL
Methylene Chloride	1.0	BDL	BDL
1,1,2,2-Tetrachloroethane	1.0	BDL	BDL
1,1,1-Trichloroethane	1.0	BDL	BDL
1,1,2-Trichloroethane	1.0	BDL	BDL
Tetrachloroethene	1.0	BDL	BDL
Trichlorofluoromethane	1.0	BDL	BDL
Vinyl Chloride	1.0	BDL	BDL
Trichloroethene	1.0	BDL	BDL

BDL= Below Detection Limit
* = Invalid Data

TABLE N-20

PCB'S AND PESTICIDES (SURFACE WATER)

TABLE N-20. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 1 of 1

PCB's and Pesticides (Surface Water); Method 625P; Concentrations in ug/L

Compound	Detection Limit (ug/L)	* SW-10 12 JAN 87 23 JAN 87 30 JAN 87 181, E1	1) SW-10 14 APR 87 17 APR 87 14 MAY 87 736, E1	2) SW-10 14 APR 87 17 APR 87 18 MAY 87 737, E2	* SW-11 12 JAN 87 23 JAN 87 30 JAN 87 191, E1	1) SW-11 14 APR 87 17 APR 87 18 MAY 87 740, E1	2) SW-11 14 APR 87 17 APR 87 18 MAY 87 741, E2
Sampling Point:							
Date Sampled:							
Date Extracted:							
Date Analyzed:							
Sticker No., ID:							
Aldrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Alpha - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Beta - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Delta - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Gamma - BHC	10	BDL	BDL	BDL	BDL	BDL	BDL
Chlordane	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	10	BCL	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	10	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	10	BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan I	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan II	10	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL	BDL	BDL	BDL	BDL
Endrin	10	BDL	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	10	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor	10	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	10	BDL	BDL	BDL	BDL	BDL	BDL
Toxaphene	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1016	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1221	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1232	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1242	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1248	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1254	10	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1260	10	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE N-21

PETROLEUM HYDROCARBONS (SURFACE WATER)

TABLE N-21. **RESULTS OF WATER ANALYSES; LANDFILL NO. 4**; p. 1 of 1

Petroleum Hydrocarbons (Surface Water); Method E418.1; Concentrations in mg/L

Sampling Point:		SW-10 *	MW-57 1)*	SW-11 *
Date Sampled:		12 JAN 87	13 JAN 87	12 JAN 87
Date Extracted:		27 JAN 87	28 JAN 87	27 JAN 87
Date Analyzed:		27 JAN 87	28 JAN 87	27 JAN 87
Sticker No., ID:		179, C	316, C	195, C
Compound	Limit (mg/L)			
Hydrocarbons	2.0	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Blind Duplicate of 179, C (SW-10)
* = Invalid Data

APPENDIX O

INORGANIC RESULTS - SITE 3

(LANDFILL NO. 1)

TABLE O-1

ANIONS (WATER)

TABLE O-1. **RESULTS OF WATER ANALYSES; LANDFILL NO. 1;** p. 1 of 1

Anions (Water); Method 429A; Concentrations in mg/L

Sampling Point:	MW-12	MW-60	MW-12 1)
Date Sampled:	16 JAN 87	21 JAN 87	14 APR 87
Date Analyzed:	3 FEB 87	2 FEB 87	15 APR 87
Sticker No., ID:	331, J	446, J	667, L
Depth Interval (ft):	10	(Blank)	16
Compound	Detection Limit (mg/L)		
Fluoride	0.01	BDL	0.035	
Chloride	0.01	5.704	0.166	
Nitrate	0.03	BDL*	BDL	BDL
Phosphate	0.60	0.848*	BDL	BDL
Bromide	0.05	0.339	BDL	
Nitrite	0.05	0.143*	BDL	0.086
Sulfate	0.05	12.688	0.250	

BDL = Below Detection Limits
1) = Resampled and Analyzed for Anions that Exceeded Holding Times
* = *Invalid Data*

TABLE O-2

THIRTEEN PRIORITY POLLUTANT METALS (WATER)

TABLE O-2. **RESULTS OF WATER ANALYSES; LANDFILL NO. 1**; p. 1 of 1

Thirteen Priority Pollutant Metals (Water); Concentrations in mg/L

Compound	Detection Limit (mg/L)	Methods	MW-12
Sampling Point:			MW-12
Date Sampled:			16 JAN 87
Date Analyzed:			29 JAN 87
Sticker No.:			333, L
Depth Interval (ft):			20
Arsenic	0.002	E206.2	BDL
Antimony	0.009	E204.2	BDL
Beryllium	0.0012	E200.7	BDL
Cadmium	0.006	E200.7	BDL
Chromium	0.008	E200.7	BDL
Copper	0.014	E200.7	0.035
Lead	0.005	E200.7	BDL
Mercury	0.0002	E245.1	BDL
Nickel	0.010	E200.7	BDL
Selenium	0.004	E270.2	BDL
Silver	0.007	E200.7	BDL
Thallium	0.002	E200.7	BDL
Zinc	0.003	E200.7	BDL

BDL = Below Detection Limit

TABLE O-3

TOTAL DISSOLVED SOLIDS

TABLE O-3. **RESULTS OF WATER ANALYSES; LANDFILL NO. 1**; p. 1 of 1

Total Dissolved Solids (Water); Method E160.1; Concentrations in mg/L

Sampling Point	Depth Interval (ft)	Sticker No., ID	Date Sampled	Date Analyzed	TDS (mg/L)
MW-12	20	0335, N	16 JAN 87	5 FEB 87	91*
1)					
MW-56	21	0423, N	16 JAN 87	5 FEB 87	65*

1) = Blind Duplicate of 335, N (MW-12)
Note: Detection Limits achieved for TDS = 5.0 mg/L
* = Invalid data

APPENDIX P

ORGANIC RESULTS - SITE 3

(LANDFILL NO. 1)

TABLE P-1

ACID EXTRACTABLES (WATER)

TABLE P-1. **RESULTS OF WATER ANALYSES; LANDFILL NO. 1**; p. 1 of 1

Acid Extractables (Water); Method 625 A; Concentrations in ug/L

Compound	Detection Limits (ug/L)	*	1)	2)
Sampling Point:		MW-12	MW-12	MW-12
Date Sampled:		8 JAN 87	14 APR 87	14 APR 87
Date Extracted:		17 JAN 87	16 APR 87	16 APR 87
Date Analyzed:		19 JAN 87	15 MAY 87	15 MAY 87
Sticker No., ID:		141, E1	664, E1	665, E2
Depth Interval (ft):		20.5	16	16
4-Chloro-3-Methylphenol	25	BDL	BDL	BDL
2-Chlorophenol	25	BDL	BDL	BDL
2,4-Dichlorophenol	25	BDL	BDL	BDL
2,4-Dimethylphenol	25	BDL	BDL	BDL
2,4-Dinitrophenol	250	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	250	BDL	BDL	BDL
2-Nitrophenol	25	BDL	BDL	BDL
4-Nitrophenol	25	BDL	BDL	BDL
Pentachlorophenol	25	BDL	BDL	BDL
Phenol	25	BDL	BDL	BDL
2,4,6-Trichlorophenol	25	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE P-2

AROMTIC VOLATILE ORGANICS (WATER)

TABLE P-2. RESULTS OF WATER ANALYSES; LANDFILL NO. 1; p. 1 of 1

Aromatic Volatile Organics (Water); Method 602; Concentrations in ug/L

Sampling Point:		MW-12
Date Sampled:		12 JAN 87
Date Analyzed:		16 JAN 87
Sticker No., ID:		135, A1
Depth Interval (ft):		20.5
Compound	Detection Limit (ug/L)	
Benzene	1.0	BDL
Chlorobenzene	1.0	BDL
1,2-Dichlorobenzene	1.0	BDL
1,3-Dichlorobenzene	1.0	BDL
1,4-Dichlorobenzene	1.0	BDL
Ethylbenzene	1.0	BDL
Toluene	1.0	BDL

BDL = Below Detection Limit

TABLE P-3

BASE/NEUTRAL EXTRACTABLES (WATER)

TABLE P-3. RESULTS OF WATER ANALYSES; LANDFILL NO. 1; p. 1 of 1

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Compound	Detection Limit (ug/L)	*	1)	2)
Sampling Site:		MW-12	MW-12	MW-12
Date Sampled:		8 JAN 87	14 APR 87	14 APR 87
Date Extracted:		17 JAN 87	16 APR 87	16 APR 87
Date Analyzed:		19 JAN 87	15 MAY 87	15 MAY 87
Sticker No., ID:		142, E1	664, E1	655, E2
Depth Interval (ft):		20.5	16	16
Acenaphthene	25	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	34	35
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL
N-Nitrosodiphyenylamine	10	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE P-4

HALOGENATED VOLATILE ORGANICS (WATER)

TABLE P-4. **RESULTS OF WATER ANALYSES; LANDFILL NO. 1**; p. 1 of 1

Halogenated Volatile Organics (Water); Method 601; Concentrations in ug/L

Compound	Detection Limit (ug/L)	MW-12
Sampling Point:		MW-12
Date Sampled:		8 JAN 87
Date Analyzed:		16 JAN 87
Sticker No.:		136, A2
Depth Interval (ft):		20.5
Bromodichloromethane	1.0	BDL
Bromoform	1.0	BDL
Bromomethane	1.0	BDL
Carbon Tetrachloride	1.0	BDL
Chlorobenzene	1.0	BDL
Chloroethane	1.0	BDL
2-Chlorethylvinyl Ether	1.0	BDL
Chloroform	1.0	BDL
Chloromethane	1.0	BDL
Dibromochloromethane	1.0	BDL
1,2-Dichlorobenzene	1.0	BDL
1,3-Dichlorobenzene	1.0	BDL
1,4-Dichlorobenzene	1.0	BDL
Dichlorodifluoromethane	1.0	BDL
1,1-Dichloroethane	1.0	BDL
1,2-Dichloroethane	1.0	BDL
1,1-Dichloroethene	1.0	BDL
trans-1,2-Dichloroethene	1.0	BDL
1,2-Dichloropropene	1.0	BDL
cis-1,3-Dichloropropene	1.0	BDL
trans-1,3-Dichloropropene	1.0	BDL
Methylene Chloride	1.0	BDL
1,1,2,2-Tetrachloroethane	1.0	BDL
1,1,1-Trichloroethane	1.0	BDL
1,1,2-Trichloroethane	1.0	BDL
Tetrachloroethene	1.0	BDL
Trichlorofluoromethane	1.0	BDL
Vinyl Chloride	1.0	BDL
Trichloroethene	1.0	BDL
1,1,2,-Trichloro-1,2,2-Trifluoroethane	1.0	BDL

BDL = Below Detection Limit

TABLE P-5

PCB'S AND PESTICIDES (WATER)

TABLE P-5. **RESULTS OF WATER ANALYSES; LANDFILL NO. 1**; p. 1 of 1

PCB's and Pesticides (Water); Method 625P; Concentrations in ug/L

Sampling Point:	* MW-12	1) MW-12	2) MW-12
Date Sampled:	8 JAN 87	14 APR 87	14 APR 87
Date Extracted:	17 JAN 87	16 APR 87	16 APR 87
Date Analyzed:	19 JAN 87	15 MAY 87	15 MAY 87
Sticker No.:	142, E2	664, E1	665, E2
Depth Interval (ft):	20.5	16	16
Compound / Detection Limit (ug/L)			
Aldrin 10	BDL	BDL	BDL
Alpha - BHC 10	BDL	BDL	BDL
Beta - BHC 10	BDL	BDL	BDL
Delta - BHC 10	BDL	BDL	BDL
Gamma - BHC 10	BDL	BDL	BDL
Chlordane 10	BDL	BDL	BDL
4,4'-DDD 10	BDL	BDL	BDL
4,4'-DDE 10	BDL	BDL	BDL
4,4'-DDT 10	BDL	BDL	BDL
Dieldrin 10	BDL	BDL	BDL
Endosulfan I 10	BDL	BDL	BDL
Endosulfan II 10	BDL	BDL	BDL
Endosulfan Sulfate 10	BDL	BDL	BDL
Endrin 10	BDL	BDL	BDL
Endrin Aldeynde 10	BDL	BDL	BDL
Heptachlor 10	BDL	BDL	BDL
Heptachlor Eposide 10	BDL	BDL	BDL
Toxaphene 10	BDL	BDL	BDL
PCB 1016 10	BDL	BDL	BDL
PCB 1221 10	BDL	BDL	BDL
PCB 1232 10	BDL	BDL	BDL
PCB 1242 10	BDL	BDL	BDL
PCB 1248 10	BDL	BDL	BDL
PCB 1254 10	BDL	BDL	BDL
PCB 1260 10	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE P-6

PETROLEUM HYDROCARBONS (WATER)

TABLE P-6. RESULTS OF WATER ANALYSES; LANDFILL NO. 1; p. 1 of 1

Petroleum Hydrocarbons (Water); Method E418.1; Concentrations in mg/L

Sampling Point:		MW-12 *
Date Sampled:		8 JAN 87
Date Extracted:		13 JAN 87
Date Analyzed:		13 JAN 87
Sticker No.:		139, C
Depth Interval (ft):		20.5
Compound	Limit (mg/L)	
Hydrocarbons	2.0	BDL

BDL = Below Detection Limit

* = Invalid Data

APPENDIX Q

INORGANIC RESULTS - SITE 4

(LANDFILL NO. 3)

TABLE Q-1

COMMON ANIONS (WATER)

TABLE Q-1. **RESULTS OF WATER ANALYSES; LANDFILL NO. 3**; p. 1 of 2

Anions (Water); Method 429A; Concentrations in mg/L

Sampling Point:	MW-50	MW-50 1)	MW-51	MW-51 1)	MW-64 2)
Date Sampled:	15 JAN 87	14 APR 87	21 JAN 87	15 APR 87	15 APR 87
Date Analyzed:	30 JAN 87	15 APR 87	3 FEB 87	16 APR 87	16 APR 87
Sticker No., ID:	319, J	712, K	438, J	718, M	769, L
Depth Interval (ft):	15.5	15	6	5.5	5.5
Compound	Detection Limit (mg/L)				
Fluoride	0.01	0.021		BDL		
Chloride	0.01	2.831		40.60		
Nitrite	0.03	BDL*	BDL	BDL*	BDL	BDL
Phosphate	0.60	BDL*	BDL	BDL*	BDL	BDL
Bromide	0.05	0.133		1.991		
Nitrate	0.05	0.945*	2.014	0.154*	BDL	BDL
Sulfate	0.05	1.053		10.717		

BDL = Below Detection Limits
1) = Resampled and Analyzed for Anions that Exceeded Holding Times
2) = Blind Duplicate of 718, M (MW-51)
* = Invalid Data

TABLE Q-1. **RESULTS OF WATER ANALYSES; LANDFILL NO. 3**; p. 2 of 2

Anions (Water); Method 429A; Concentrations in mg/L

Sampling Point:	MW-52	1) MW-08	2) MW-52	MW-53	2) MW-53
Date Sampled:	28 JAN 87	28 JAN 87	15 APR 87	21 JAN 87	15 APR 87
Date Analyzed:	3 FEB 87	3 FEB 87	16 APR 87	3 FEB 87	16 APR 87
Sticker No., ID:	524, J	530, K	722, O	449, J	726,K
Depth Interval (ft):	8	15	5	7.5	5
Compound	Detection Limit (mg/L)				
Fluoride	0.01	BDL		BDL	
Chloride	0.01	22.980	23.264	30.01	
Nitrite	0.03	BDL*	BDL*	BDL	BDL*
Phosphate	0.60	BDL*	BDL*	BDL	BDL*
Bromide	0.05	1.034	1.036	1.376	
Nitrate	0.05	BDL*	BDL*	BDL	BDL*
Sulfate	0.05	10.780	10.900	15.564	

BDL = Below Detection Limits
1) = Blind Duplicate of 524, J (MW-52)
2) = Resampled and Analyzed for Anions that Exceeded Holding Times
* = Invalid Data

TABLE Q-2

THIRTEEN PRIORITY POLLUTANT METALS (WATER)

TABLE Q-2. **RESULTS OF WATER ANALYSES; LANDFILL NO. 3**; p. 1 of 1

Thirteen Priority Pollutant Metals (Water); Concentrations in mg/L

Compound	Detection Limit (mg/L)	Methods	Sampling Point: MW-50	MW-51	MW-52	MW-08 1)	MW-53
			Date Sampled: 15 JAN 87	21 JAN 87	28 JAN 87	28 JAN 87	21 JAN 87
			Date Analyzed: 29 JAN 87	8 FEB 87	8 FEB 87	8 FEB 87	8 FEB 87
			Sticker No., ID: 221, N	444, L	526, L	532, M	451, L
			Depth interval (ft): 15.5	6	8	15	5
Arsenic	0.002	E206.2	BDL	BDL	BDL	BDL	BDL
Antimony	0.009	E204.2	BDL	BDL	BDL	BDL	BDL
Beryllium	0.0012	E200.7	BDL	BDL	BDL	BDL	BDL
Cadmium	0.006	E200.7	BDL	BDL	BDL	BDL	BDL
Chromium	0.008	E200.7	BDL	BDL	BDL	BDL	BDL
Copper	0.014	E200.7	BDL	BDL	BDL	BDL	BDL
Lead	0.005	E200.7	BDL	BDL	BDL	BDL	BDL
Mercury	0.0002	E245.1	BDL	BDL	BDL	BDL	BDL
Nickel	0.004	E200.7	BDL	BDL	BDL	BDL	BDL
Selenium	0.004	E270.2	BDL	BDL	BDL	BDL	BDL
Silver	0.007	E200.7	BDL	BDL	BDL	BDL	BDL
Thallium	0.002	E200.7	BDL	BDL	BDL	BDL	BDL
Zinc	0.003	E200.7	BDL	BDL	0.021	0.023	BDL

BDL = Below Detection Limit
1) = Blind Duplicate of 526, L (MW-52)

TABLE Q-3

TOTAL DISSOLVED SOLIDS (WATER)

TABLE Q-3. **RESULTS OF WATER ANALYSES; LANDFILL NO. 3**; p. 1 of 1

Total Dissolved Solids; Method E160.1; Concentrations in mg/L

Sampling Point	Depth Interval (ft)	Sticker No., ID	Date Sampled	Date Analyzed	TDS (mg/L)
MW-50	15.5	323, N	15 JAN 87	5 FEB 87	13*
MW-51	6	442, N	21 JAN 87	5 FEB 87	629*
MW-52	8	528, N	28 JAN 87	5 FEB 87	722*
MW-07 1)	10	535, N	28 JAN 87	5 FEB 87	673*
MW-53	7.5	453, N	21 JAN 87	5 FEB 87	574*

1) = Blind Duplicate of 528, N (MW-52)
Note: Detection Limits achieved for TDS = ± 5.0 mg/L
* = Invalid Data

APPENDIX R

ORGANIC RESULTS - SITE 4

(LANDFILL NO. 3)

TABLE R-1

ACID EXTRACTABLES (WATER)

TABLE R-1. **RESULTS OF WATER ANALYSES; LANDFILL NO. 3**; p. 1 of 2

Acid Extractables (Water); Method 625 A; Concentrations in ug/L

Compound	Detection Limits (ug/L)	*	1)	2)	*	1)	2)
Sampling Point:		MW-50	MW-50	MW-50	MW-51	MW-51	MW-51
Date Sampled:		7 JAN 87	14 APR 87	14 APR 87	12 JAN 87	15 APR 87	15 APR 87
Date Extracted:		16 JAN 87	15 APR 87	15 APR 87	23 JAN 87	22 APR 87	22 APR 87
Date Analyzed:		19 JAN 87	14 MAY 87	15 MAY 87	30 JAN 8	12 MAY 87	12 MAY 87
Sticker No., ID:		113, E1	709, E1	710, E2	272, E2	713, E1	714, E2
Depth Interval (ft):		16	15	15	8	5.5	5.5
4-Chloro-3-Methylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Pentachlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Phenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE R-1. **RESULTS OF WATER ANALYSES; LANDFILL NO. 3;** p. 2 of 2

Acid Extractables (Water); Method 625 A; Concentrations in ug/L

Compound	Detection Limits (ug/L)	* MW-52	1) MW-52	2) MW-52	* MW-53	1) MW-53	2) MW-53
Sampling Point:							
Date Sampled:		13 JAN 87	15 APR 87	15 APR 87	12 JAN 87	15 APR 87	15 APR 87
Date Extracted:		27 JAN 87	22 APR 87	22 APR 87	23 JAN 87	22 APR 87	22 APR 87
Date Analyzed:		30 JAN 87	12 MAY 87	12 MAY 87	30 JAN 8	12 MAY 87	12 MAY 87
Sticker No., ID:		283, E2	719, E1	720, E2	294, E2	723, E1	724, E2
Depth Interval (ft):		7	5	5	7	5	5
4-Chloro-3-Methylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	250	BDL	BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Pentachlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL
Phenol	25	BDL	BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	25	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE R-2

AROMATIC VOLATILE ORGANICS (WATER)

TABLE R-2. RESULTS OF WATER ANALYSES; LANDFILL NO. 3; p. 1 of 1

Aromatic Volatile Organics (Water); Method 602; Concentrations in ug/L

Compound	Detection Limit (ug/L)	Sampling Point: MW-50 *	MW-51 *	MW-51 1)	MW-51 2)	MW-52 *	MW-52 3)	MW-52 4)	MW-53 *
		Date Sampled: 7 JAN 87	12 JAN 87	5 MAR 87	5 MAR 87	13 JAN 87	5 MAR 87	5 MAR 87	12 JAN 87
		Date Analyzed: 16 JAN 87	23 JAN 87	12 MAR 87	12 MAR 87	23 JAN 87	12 MAR 87	12 MAR 87	23 JAN 87
		Sticker No., ID: 107, A1	264, A1	69, A1	69, A1	275, A1	73, A1	73, A2	286, A1
		Depth Interval (ft): 20	8	8	8	7	7	7	7
Benzene	1.0	BDL	BDL	2.0	2.0	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	1.8	15.0	12.0	BDL	8.0	7.0	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	9.6	7.0	14.0	6.4	13.0	12.0	BDL
Ethylbenzene	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	1.0	BDL	BDL	4.0	2.0	BDL	BDL	BDL	BDL
Xylene 5)	1.0	BDL	--	BDL	BDL	--	BDL	BDL	---

BDL = Below Detection Limit
1) = Resampled and analyzed compounds for which second column confirmation was omitted from 264, A1 (MW-51)
2) = Second Column Confirmation of 69, A1 (MW-51)
3) = Resampled and analyzed compounds for which second column confirmation was omitted from 275, A1 (MW-52)
4) = Second Column Confirmation of 73, A1 (MW-52)
5) = Quantitated as Ethylbenzene
* = Invalid Data

TABLE R-3

BASE/NEUTRAL EXTRACTABLES (WATER)

TABLE R-3. **RESULTS OF WATER ANALYSES; LANDFILL NO. 3;** p. 1 of 4

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Sampling Site:		* MW-50	1) MW-50	2) MW-50
Date Sampled:		7 JAN 87	14 APR 87	14 APR 87
Date Extracted:		16 JAN 87	15 APR 87	15 APR 87
Date Analyzed:		19 JAN 87	14 MAY 87	14 MAY 87
Sticker No., ID:		114, E2	709, E1	710, E2
Depth Interval (ft):		16	15	15
Compound	Detection Limit (ug/L)			
Acenaphthene	25	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL
N-Nitrosodiphyenylamine	10	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE R-3. **RESULTS OF WATER ANALYSES; LANDFILL NO. 3**; p. 2 of 4

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Compound	Detection Limit (ug/L)	*	1)	2)
Sampling Site:		MW-51	MW-51	MW-51
Date Sampled:		12 JAN 87	15 APR 87	15 APR 87
Date Extracted:		23 JAN 87	22 APR 87	22 APR 87
Date Analyzed:		30 JAN 87	12 MAY 87	12 MAY 87
Sticker No., ID:		271, E1	713, E1	714, E2
Depth Interval (ft):		8	5.5	5.5
Acenaphthene	25	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	26	25
3,3-Dichlorobenzidine	10	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL
N-Nitrosodiphyenylamine	10	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Second Column Confirmation of 713, E1 (MW-51)
* = Invalid Data

TABLE R-3. **RESULTS OF WATER ANALYSES; LANDFILL NO. 3;** p. 3 of 4

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Sampling Site:		* MW-52	1) MW-52	2) MW-52
Date Sampled:		13 JAN 87	15 APR 87	15 APR 87
Date Extracted:		27 JAN 87	22 APR 87	22 APR 87
Date Analyzed:		30 JAN 87	12 MAY 87	12 MAY 87
Sticker No., ID:		282, E1	719, E1	720, E2
Depth Interval (ft):		7	5	5
Compound	Detection Limit (ug/L)			
Acenaphthene	25	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	BDL
Fluoranthene	10	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL
N-Nitrosodiphyenylamine	10	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE R-3. RESULTS OF WATER ANALYSES; LANDFILL NO. 3; p. 4 of 4

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Compound	Detection Limit (ug/L)	* MW-53 12 JAN 87 23 JAN 87 30 JAN 87 293, E1 7	1) MW-53 15 APR 87 22 APR 87 12 MAY 87 723, E1 5	2) MW-53 15 APR 87 22 APR 87 12 MAY 87 724, E2 5	MW-56 15 APR 87 22 APR 87 12 MAY 87 732 BLANK
Sampling Site:					
Date Sampled:					
Date Extracted:					
Date Analyzed:					
Sticker No., ID:					
Depth Interval (ft):					
Acenaphthene	25	BDL	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	48	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	38	BDL
Fluoranthene	10	BDL	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL	BDL
N-Nitrosodiphyenylamine	10	BDL	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
* = Invalid Data

TABLE R-4

HALOGENATED VOLATILE ORGANICS (WATER)

TABLE R-4. RESULTS OF WATER ANALYSES; LANDFILL NO. 3; p. 1 of 2

Halogenated Volatile Organics (Water); Method 601; Concentrations in ug/L

Compound	Detection Limit (ug/L)	MW-50	MW-51 *	MW-51 1)	MW-51 2)
Sampling Point:		MW-50	MW-51	MW-51	MW-51
Date Sampled:		7 JAN 87	12 JAN 87	5 MAR 87	5 MAR 87
Date Analyzed:		16 JAN 87	23 JAN 87	12 MAR 87	12 MAR 87
Sticker No., ID:		108, A2	265, A2	69, A1	69, A1
Depth Interval (ft):		16	8	8	8
Bromodichloromethane	1.0	BDL	BDL	BDL	BDL
Bromoform	1.0	BDL	BDL	BDL	BDL
Bromomethane	1.0	BDL	BDL	BDL	BDL
Carbon Tetrachloride	1.0	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	1.8	15.0	12.0
Chloroethane	1.0	BDL	BDL	BDL	BDL
2-Chlorethylvinyl Ether	1.0	BDL	BDL	BDL	BDL
Chloroform	1.0	BDL	BDL	BDL	BDL
Chloromethane	1.0	BDL	BDL	BDL	BDL
Dibromochloromethane	1.0	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	9.6	7.0	14.0
Dichlorodifluoromethane	1.0	BDL	BDL	BDL	BDL
1,1-Dichloroethane	1.0	BDL	BDL	BDL	BDL
1,2-Dichloroethane	1.0	BDL	BDL	BDL	BDL
1,1-Dichloroethene	1.0	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	1.0	BDL	BDL	BDL	BDL
1,2-Dichloropropene	1.0	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL
Methylene Chloride	1.0	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	1.0	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	1.0	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	1.0	BDL	BDL	BDL	BDL
Tetrachloroethene	1.0	BDL	BDL	BDL	BDL
Trichlorofluoromethane	1.0	BDL	BDL	BDL	BDL
Vinyl Chloride	1.0	BDL	BDL	BDL	BDL
Trichloroethene	1.0	BDL	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and analyzed compounds for which second column confirmation was omitted from 265, A2 (MW-51)
2) = Second Column Confirmation Sample of 69, A1 (MW-51)
* = Invalid Data

TABLE R-4. **RESULTS OF WATER ANALYSES; LANDFILL NO. 3**; p. 2 of 2

Halogenated Volatile Organics (Water); Method 601; Concentrations in ug/L

Compound	Detection Limit (ug/L)	*	1)	2)	*
Sampling Point:		MW-52	MW-52	MW-52	MW-53
Date Sampled:		13 JAN 87	5 MAR 87	5 MAR 87	12 JAN 87
Date Analyzed:		23 JAN 87	12 MAR 87	12 MAR 87	23 JAN 87
Sticker No., ID:		276, A2	73, A2	73, A1	287, A2
Depth Interval (ft):		7	7	7	7
Bromodichloromethane	1.0	BDL	BDL	BDL	BDL
Bromoform	1.0	BDL	BDL	BDL	BDL
Bromomethane	1.0	BDL	BDL	BDL	BDL
Carbon Tetrachloride	1.0	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	8.0	8.0	BDL
Chloroethane	1.0	BDL	BDL	BDL	BDL
2-Chlorethylvinyl Ether	1.0	BDL	BDL	BDL	BDL
Chloroform	1.0	BDL	BDL	BDL	BDL
Chloromethane	1.0	BDL	BDL	BDL	BDL
Dibromochloromethane	1.0	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	6.4	13.0	12.0	BDL
Dichlorodifluoromethane	1.0	BDL	BDL	BDL	BDL
1,1-Dichloroethane	1.0	BDL	BDL	BDL	BDL
1,2-Dichloroethane	1.0	BDL	BDL	BDL	BDL
1,1-Dichloroethene	1.0	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	1.0	BDL	BDL	BDL	BDL
1,2-Dichloropropene	1.0	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL
Methylene Chloride	1.0	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	1.0	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	1.0	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	1.0	BDL	BDL	BDL	BDL
Tetrachloroethene	1.0	BDL	BDL	BDL	BDL
Trichlorofluoromethane	1.0	BDL	BDL	BDL	BDL
Vinyl Chloride	1.0	BDL	BDL	BDL	BDL
Trichloroethene	1.0	BDL	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and analyzed compounds for which second column confirmation was omitted from 276, A2 (MW-52)
2) = Second Column Confirmation of 73, A2 (MW-52)
* = Invalid Data

TABLE R-5

PCB'S AND PESTICIDES (WATER)

TABLE R-5. **RESULTS OF WATER ANALYSES; LANDFILL NO. 3**; p. 1 of 4

PCB's and Pesticides (Water); Method 625P; Concentrations in ug/L

Sampling Point:		* MW-50	1) MW-50	2) MW-50
Date Sampled:		7 JAN 87	14 APR 87	14 APR 87
Date Extracted:		16 JAN 87	15 APR 87	15 APR 87
Date Analyzed:		19 JAN 87	14 MAY 87	14 MAY 87
Sticker No., ID:		114, E2	709, E1	710, E2
Depth Interval (ft):		16	15	15
Compound	Detection Limit (ug/L)			
Aldrin	10	BDL	BDL	BDL
Alpha - BHC	10	BDL	BDL	BDL
Beta - BHC	10	BDL	BDL	BDL
Delta - BHC	10	BDL	BDL	BDL
Gamma - BHC	10	BDL	BDL	BDL
Chlordane	10	BDL	BDL	BDL
4,4'-DDD	10	BDL	BDL	BDL
4,4'-DDE	10	BDL	BDL	BDL
4,4'-DDT	10	BDL	BDL	BDL
Dieldrin	10	BDL	BDL	BDL
Endosulfan I	10	BDL	BDL	BDL
Endosulfan II	10	BDL	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL	BDL
Endrin	10	BDL	BDL	BDL
Endrin Aldeynde	10	BDL	BDL	BDL
Heptachlor	10	BDL	BDL	BDL
Heptachlor Eposide	10	BDL	BDL	BDL
Toxaphene	10	BDL	BDL	BDL
PCB 1016	10	BDL	BDL	BDL
PCB 1221	10	BDL	BDL	BDL
PCB 1232	10	BDL	BDL	BDL
PCB 1242	10	BDL	BDL	BDL
PCB 1248	10	BDL	BDL	BDL
PCB 1254	10	BDL	BDL	BDL
PCB 1260	10	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and analyzed compounds for which second column confirmation was omitted from 114, E2 (MW-50)
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE R-5. **RESULTS OF WATER ANALYSES; LANDFILL NO. 3;** p. 2 of 4

PCB's and Pesticides (Water); Method 625P; Concentrations in ug/L

Sampling Point:		* MW-51	1) MW-51	2) MW-51
Date Sampled:		12 JAN 87	15 APR 87	15 APR 87
Date Extracted:		23 JAN 87	22 APR 87	22 APR 87
Date Analyzed:		30 JAN 87	12 MAY 87	12 MAY 87
Sticker No., ID:		271, E2	713, E1	714, E1
Depth Interval (ft):		8	5.5	5.5
Compound	Detection Limit (ug/L)			
Aldrin	10	BDL	BDL	BDL
Alpha - BHC	10	BDL	BDL	BDL
Beta - BHC	10	BDL	BDL	BDL
Delta - BHC	10	BDL	BDL	BDL
Gamma - BHC	10	BDL	BDL	BDL
Chlordane	10	BDL	BDL	BDL
4,4'-DDD	10	BDL	BDL	BDL
4,4'-DDE	10	BDL	BDL	BDL
4,4'-DDT	10	BDL	BDL	BDL
Dieldrin	10	BDL	BDL	BDL
Endosulfan I	10	BDL	BDL	BDL
Endosulfan II	10	BDL	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL	BDL
Endrin	10	BDL	BDL	BDL
Endrin Aldeynde	10	BDL	BDL	BDL
Heptachlor,	10	BDL	BDL	BDL
Heptachlor Eposide	10	BDL	BDL	BDL
Toxaphene	10	BDL	BDL	BDL
PCB 1016	10	BDL	BDL	BDL
PCB 1221	10	BDL	BDL	BDL
PCB 1232	10	BDL	BDL	BDL
PCB 1242	10	BDL	BDL	BDL
PCB 1248	10	BDL	BDL	BDL
PCB 1254	10	BDL	BDL	BDL
PCB 1260	10	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and analyzed compounds for which second column confirmation was omitted from 271, E2 (MW-51)
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE R-5. **RESULTS OF WATER ANALYSES; LANDFILL NO. 3**; p. 3 of 4

PCB's and Pesticides (Water); Method 625P; Concentrations in ug/L

Compound	Detection Limit (ug/L)	*	1)	2)
Sampling Point:		MW-52	MW-52	MW-52
Date Sampled:		13 JAN 87	15 APR 87	15 APR 87
Date Extracted:		27 JAN 87	22 APR 87	22 APR 87
Date Analyzed:		30 JAN 87	12 MAY 87	12 MAY 87
Sticker No., ID:		282, E2	719, E1	720, E2
Depth Interval (ft):		7	5	5
Aldrin	10	BDL	BDL	BDL
Alpha - BHC	10	BDL	BDL	BDL
Beta - BHC	10	BDL	BDL	BDL
Delta - BHC	10	BDL	BDL	BDL
Gamma - BHC	10	BDL	BDL	BDL
Chlordane	10	BDL	BDL	BDL
4,4'-DDD	10	BDL	BDL	BDL
4,4'-DDE	10	BDL	BDL	BDL
4,4'-DDT	10	BDL	BDL	BDL
Dieldrin	10	BDL	BDL	BDL
Endosulfan I	10	BDL	BDL	BDL
Endosulfan II	10	BDL	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL	BDL
Endrin	10	BDL	BDL	BDL
Endrin Aldeynde	10	BDL	BDL	BDL
Heptachlor	10	BDL	BDL	BDL
Heptachlor Eposide	10	BDL	BDL	BDL
Toxaphene	10	BDL	BDL	BDL
PCB 1016	10	BDL	BDL	BDL
PCB 1221	10	BDL	BDL	BDL
PCB 1232	10	BDL	BDL	BDL
PCB 1242	10	BDL	BDL	BDL
PCB 1248	10	BDL	BDL	BDL
PCB 1254	10	BDL	BDL	BDL
PCB 1260	10	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and analyzed compounds for which second column confirmation was omitted from 282, E2 (MW-52)
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE R-5. **RESULTS OF WATER ANALYSES; LANDFILL NO. 3;** p. 4 of 4

PCB's and Pesticides (Water); Method 625P; Concentrations in ug/L

Sampling Point:	Detection Limit (ug/L)	* MW-53	1) MW-53	2) MW-53	MW-56
Date Sampled:		12 JAN 87	15 APR 87	15 APR 87	15 APR 87
Date Extracted:		23 JAN 87	22 APR 87	22 APR 87	22 APR 87
Date Analyzed:		30 JAN 87	12 MAY 87	12 MAY 87	12 MAY 87
Sticker No., ID:		293, E1	723, E1	724, E2	732
Depth Interval (ft):		7	5	5	BLANK
Compound					
Aldrin	10	BDL	BDL	BDL	BDL
Alpha - BHC	10	BDL	BDL	BDL	BDL
Beta - BHC	10	BDL	BDL	BDL	BDL
Delta - BHC	10	BDL	BDL	BDL	BDL
Gamma - BHC	10	BDL	BDL	BDL	BDL
Chlordane	10	BDL	BDL	BDL	BDL
4,4'-DDD	10	BDL	BDL	BDL	BDL
4,4'-DDE	10	BDL	BDL	BDL	BDL
4,4'-DDT	10	BDL	BDL	BDL	BDL
Dieldrin	10	BDL	BDL	BDL	BDL
Endosulfan I	10	BDL	BDL	BDL	BDL
Endosulfan II	10	BDL	BDL	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL	BDL	BDL
Endrin	10	BDL	BDL	BDL	BDL
Endrin Aldeynde	10	BDL	BDL	BDL	BDL
Heptachlor	10	BDL	BDL	BDL	BDL
Heptachlor Eposide	10	BDL	BDL	BDL	BDL
Toxaphene	10	BDL	BDL	BDL	BDL
PCB 1016	10	BDL	BDL	BDL	BDL
PCB 1221	10	BDL	BDL	BDL	BDL
PCB 1232	10	BDL	BDL	BDL	BDL
PCB 1242	10	BDL	BDL	BDL	BDL
PCB 1248	10	BDL	BDL	BDL	BDL
PCB 1254	10	BDL	BDL	BDL	BDL
PCB 1260	10	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and analyzed compounds for which second column confirmation was omitted from 293, E1 (MW-53)
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE R-6

PETROLEUM HYDROCARBONS (WATER)

TABLE R-6. **RESULTS OF WATER ANALYSES; LANDFILL NO. 3**; p. 1 of 1

Petroleum Hydrocarbons (Water); Method E418.1; Concentrations in mg/L

Sampling Point:		* MW-50	* MW-51	* MW-52	* MW-53
Date Sampled:		7 JAN 87	12 JAN 87	13 JAN 87	12 JAN 87
Date Extracted:		13 JAN 87	28 JAN 87	28 JAN 87	28 JAN 87
Date Analyzed:		13 JAN 87	28 JAN 87	28 JAN 87	28 JAN 87
Sticker No., ID:		111, C	269, C	280, C	290, C
Depth Interval (ft):		16	8	7	7
Compound	Detection Limit (mg/L)				
Hydrocarbons	2.0	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

* = Invalid Data

APPENDIX S

INORGANIC RESULTS - SITE 5

(DPDO WASTE STORAGE AREA)

TABLE S-1

ALKALINITY (WATER)

TABLE S-1. **RESULTS OF WATER ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

Alkalinity (Water); Method A403; Concentration in mg/L $CaCO_3$

Sampling Point:	MW-54 *	MW-54	MW-62 *	MW-61 1)	MW-07 1) *
Date Sampled:	23 JAN 87	2 MAR 87	23 JAN 87	2 MAR 87	23 JAN 87
Date Analyzed:	20 FEB 87	9 MAR 87	20 FEB 87	9 MAR 87	20 FEB 87
Sticker No., ID:	470	545, KI	475	567, KI	534
Depth Interval (ft):		15		15	BLANK
Compound / Detection Limit (mg/L)					
Alkalinity 10	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Duplicate Sample Analyzed
* = Invalid Data

TABLE S-2

COMMON ANIONS (WATER)

TABLE S-2. RESULTS OF WATER ANALYSES; DPDO STORAGE AREA: p. 1 of 1

Anions (Water); Method 429A; Concentrations in mg/L

Sampling Point:		MW-54	MW-54 1)
Date Sampled:		23 JAN 87	22 APR 87
Date Analyzed:		2 FEB 87	23 APR 87
Sticker No., ID:		462, J	730, K
Depth Interval (ft):		14	9
Compound	Detection Limit (mg/L)		
Fluoride	0.01	0.033	
Chloride	0.01	4.352	
Nitrate	0.03	4.678*	2.245
Phosphate	0.50	BDL*	BDL
Bromide	0.05	0.169	
Nitrite	0.05	BDL*	BDL
Sulfate	0.05	14.066	

BDL = Below Detection Limits
1) = Resampled and Analyzed for Anions that Exceeded Holding Times
* = Invalid Data

TABLE S-3

TOTAL CYANIDE (WATER)

TABLE S-3. **RESULTS OF WATER ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

Total Cyanide (Water); Method 335.2; Concentration mg/L

Sampling Point:	1)* MW-54	1)* MW-62	MW-54	MW-62
Date Sampled:	2 FEB 87	2 FEB 87	22 APR 87	22 APR 87
Date Analyzed:	9 FEB 87	9 FEB 87	24 APR 87	24 APR 87
Sticker No., ID:	538, N	473, N	731	134
Depth Interval (ft):	14	Blank		Blank
Compound (Detection Limit (mg/L))				
Cyanide (0.02)	BDL	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and analyzed for compounds that exceed holding time
* = Invalid Data

TABLE S-4

THIRTEEN PRIORITY POLLUTANTS METALS (WATER)

TABLE S-4. RESULTS OF WATER ANALYSES;DPDO STORAGE AREA; p. 1 of 1

Thirteen Priority Pollutant Metals (Water); Concentrations in mg/L

Compound	Detection Limit (mg/L)	Methods	MW-54	MW-60	MW-62
Sampling Point:			MW-54	MW-60	MW-62
Date Sampled:			23 JAN 87	21 JAN 87	23 JAN 87
Date Analyzed:			8 FEB 87	8 FEB 87	8 FEB 87
Sticker No., ID:			464, L	447,L	472, L
Depth Interval (ft):			14	(Blank)	(Blank)
Arsenic	0.002	E206.2	BDL	BDL	BDL
Antimony	0.009	E204.2	BDL	BDL	BDL
Beryllium	0.0012	E200.7	BDL	BDL	BDL
Cadmium	0.006	E200.7	0.008	BDL	BDL
Chromium	0.008	E200.7	BDL	BDL	BDL
Copper	0.014	E200.7	BDL	BDL	BDL
Lead	0.005	E200.7	0.100	BDL	BDL
Mercury	0.0002	E245.1	BDL	BDL	BDL
Nickel	0.004	E200.7	BDL	BDL	BDL
Selenium	0.004	E270.2	BDL	BDL	BDL
Silver	0.007	E200.7	0.116	BDL	BDL
Thallium	0.002	E200.7	BDL	BDL	BDL
Zinc	0.003	E200.7	BDL	BDL	BDL

BDL = Below Detection Limit

TABLE S-5

TOTAL DISSOLVED SOLIDS (WATER)

TABLE S-5. **RESULTS OF WATER ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

Total Dissolved Solids (Water); Method E160.1; Concentrations in mg/L

Sampling Point	Depth Interval (ft)	Sticker No., ID	Date Sampled	Date Analyzed	TDS (mg/L)
MW-54	14	468, P	23 JAN 87	5 FEB 87	18*

Note: Detection Limits achieved for TDS = ± 5.0 mg/L
* = Invalid Data

TABLE S-6

TOTAL CYANIDE (SOIL)

TABLE S-6. **RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA**; p. 1 of 3

Total Cyanide (Soils); Method 335.2; Concentrations in mg/Kg

Sampling Point:		* SB-55	1) SB-55	* SB-55	1) SB-55	* SB-55	1) SB-55	2)* SB-55	2)* SB-55
Date Sampled:		13 NOV 86	13 APR 87	13 NOV 86	13 APR 87	13 NOV 86	13 APR 87	13 NOV 86	13 NOV 86
Date Analyzed:		12 DEC 87	14 APR 87	12 DEC 86	14 APR 87	12 DEC 86	14 APR 87	12 DEC 86	12 DEC 86
Sticker No., ID:		54, B	569, D	58, B	755, D	62, D	753, D	66, D	68, D
Depth Interval (ft):		1-3	0-2	3-5	3-5	9-11	9-11	11-13	13-15
Compound	Detection Limit (mg/Kg)								
Cyanide	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Depth Interval Not Originally Required for Sampling; Below Water Table.
* = Invalid Data

TABLE S-6. **RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA**; p. 2 of 3

Total Cyanide (Soils); Method 335.2; Concentrations in mg/Kg

Sampling Point:		* SB-56	1) SB-56	* SB-56	1) SB-56	* SB-56	1) SB-56	2)* SB-56
Date Sampled:		12 NOV 86	14 APR 87	12 NOV 86	14 APR 87	12 NOV 86	23 APR 87	12 NOV 86
Date Analyzed:		12 DEC 86	15 APR 87	12 DEC 86	15 APR 87	12 DEC 86	24 APR 87	12 DEC 86
Sticker No., ID:		22, D	571, D	26, D	756, D	30, D	757, D	34, D
Depth Interval (ft):		0-2	0-2	3-5	3-5	8-10	8-10	13-15
Compound	Detection Limit (mg/Kg)							
Cyanide	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Depth Interval Not Originally Required for Sampling; Below Water Table
* = Invalid Data

TABLE S-6. **RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA**; p. 3 of 3

Total Cyanide (Soils); Method 335.2; Concentration in mg/Kg

Sampling Point:		* SB-57	1) SB-57	* SB-57	* SB-57	2)* SB-57	1) SB-57
Date Sampled:		13 NOV 86	13 APR 87	13 NOV 86	13 NOV 86	13 NOV 86	22 APR 87
Date Analyzed:		12 DEC 86	14 APR 87	12 DEC 86	12 DEC 86	12 DEC 86	23 APR 87
Sticker No., ID:		33, D	573, D	42, D	46, D	50, D	607, D
Depth Interval (ft):		2-4	0-2	4-6	9-11	11-13	13-15
Compound	Detection Limit (mg/Kg)						
Cyanide	0.5	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and Analyzed for Compound that Exceeded Holding Times
2) = Depth Interval Not Originally Required for Sampling; Below Water Table
* = Invalid Data

TABLE S-7

THIRTEEN PRIORITY POLLUTANTS (SOIL)

TABLE S-7. **RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA**; p. 1 of 3

Thirteen Priority Pollutant Metals (Soil); Concentrations in mg/Kg

Species	Detection Limits (mg/Kg)	Methods	Sampling Point: SB-55			
			Date Sampled: 13 NOV 86			
			Date Analyzed 12 DEC 86			
			Sticker No., ID: 54, D	58, D	62, D	66, D
			Depth Interval (ft): 1-3	3-5	9-11	11-13
Iron 1)	4.50	SW6010	12,800	9,350	2,170	15,700
Aluminum 1)	4.00	SW6010	31,100	19,000	2,600	1,970
Antimony	0.90	SW7041	20	337	12.60	16.40
Lead	3.50	SW6010	7.81	BDL	BDL	BDL
Nickel	1.00	SW6010	5.22	BDL	BDL	BDL
Copper	0.90	SW6010	2.80	BDL	BDL	BDL
Zinc	0.30	SW6010	3.91	6.83	13.50	18.10
Beryllium	0.12	SW6010	0.280	0.251	0.240	0.208
Silver	0.60	SW6010	BDL	3.28	3.00	2.96
Cadmium	0.34	SW6010	BDL	BDL	BDL	2.67
Chromium	0.80	SW6010	21.50	28.80	4.10	15.50
Thallium	0.20	SW7841	BDL	BDL	BDL	BDL
Arsenic	0.13	SW7060	3.373	2.554	BDL	2.130
Selenium	0.22	SW7740	0.488	BDL	BDL	0.231
Mercury	0.10	SW7471	BDL*	BDL*	BDL*	BDL*

BDL = Below Detection Limits
1) = Not priority pollutant metals
* = Invalid Data

TABLE S-7. **RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA**; p. 2 of 3

Thirteen Priority Pollutant Metals (Soil); Concentrations in mg/Kg

Species	Detection Limits (mg/Kg)	Methods	Sampling Point:	SB-56			
			Date Sampled:	12 NOV 86			
			Date Analyzed:	12 DEC 86			
			Sticker No., ID:	22, D	26, D	30, D	30, D 1)	34, D
			Depth Interval (ft):	0-2	3-5	8-10	8-10	13-15
Iron 2)	4.50	SW6010		2,480	7,240	10,400	10,600	15,100
Aluminum 2)	4.00	SW6010		4,970	22,000	7,060	7,090	2,150
Antimony	0.90	SW7041		BDL	BDL	BDL	8.22	8.51
Lead	3.50	SW6010		82.90	7.34	BDL	BDL	6.29
Nickel	1.00	SW6010		BDL	3.16	BDL	BDL	BDL
Copper	0.90	SW6010		6.21	BDL	BDL	BDL	3.96
Zinc	0.30	SW6010		36.40	4.22	BDL	BDL	BDL
Beryllium	0.12	SW6010		0.165	0.241	0.250	BDL	0.164
Silver	0.60	SW6010		BDL	BDL	BDL	BDL	BDL
Cadmium	0.34	SW6010		0.37	BDL	BDL	BDL	BDL
Chromium	0.80	SW6010		12.10	11.60	BDL	BDL	BDL
Thallium	0.20	SW7841		BDL	BDL	BDL	BDL	BDL
Arsenic	0.13	SW7060		0.804	2.296	2.043	BDL	2.958
Selenium	0.22	SW7740		0.226	BDL	0.347	1.749	0.594
Mercury	0.10	SW7471		BDL*	BDL*	BDL*	---	BDL*

BDL = Below Detection Limits
1) = In-House RTI Duplicate of SB-56, 30, D, 8-10 ft.
2) = Not priority pollutant metals
* = Invalid Data

TABLE S-7. **RESULTS OF SOIL ANALYSES; OPDO STORAGE AREA**; p. 3 of 3

Thirteen Priority Pollutant Metals (Soil); Concentrations in mg/Kg

Species	Detection Limits (mg/Kg)	Methods	Sampling Point:	SB-57			
			Date Sampled:	13 NOV 86			
			Date Analyzed:	12 DEC 86			
				1)			
			Sticker No., ID:	38, D	42, D	68, D	46, D	50, D
			Depth Interval (ft):	2-4	4-6	13-15	9-11	11-13
Iron 2)	4.50	SW6010		1,340	5,800	6,110	3,060	1,170
Aluminum 2)	4.00	SW6010		1,930	12,500	16,000	17,400	4,760
Antimony	0.90	SW7041		10.40	9.58	20.10	7.71	50.30
Lead	3.50	SW6010		BDL	BDL	BDL	BDL	BDL
Nickel	1.00	SW6010		BDL	BDL	BDL	BDL	BDL
Copper	0.90	SW6010		BDL	BDL	BDL	BDL	BDL
Zinc	0.30	SW6010		BDL	27.60	6.24	7.71	11.40
Beryllium	0.12	SW6010		BDL	0.230	0.297	0.158	0.130
Silver	0.60	SW6010		BDL	BDL	---	BDL	2.79
Cadmium	0.34	SW6010		BDL	BDL	0.60	BDL	0.60
Chromium	0.80	SW6010		BDL	5.49	13.60	12.80	5.29
Thallium	0.20	SW7841		BDL	BDL	BDL	BDL	BDL
Arsenic	0.13	SW7060		0.080	1.102	1.567	0.914	BDL
Selenium	0.22	SW7740		BDL	BDL	0.296	BDL	BDL
Mercury	0.10	SW7471		BDL*	BDL*	BDL*	BDL*	BDL*

BDL = Below Detection Limits
1) = Blind Duplicate of SB-57, 42, D; 4-6 ft.
2) = Not priority pollutant metals
* = Invalid Data

TABLE S-8

TOTAL CYANIDE (SEDIMENT)

TABLE S-8. **RESULTS OF SEDIMENT ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

Total Cyanide (Sediment); Method 335.2; Concentrations in mg/Kg

Sampling Point:	* SD-14	1) SD-14	* SD-15	1) SD-15
Date Sampled:	23 JAN 87	22 APR 87	23 JAN 87	22 APR 87
Date Analyzed:	9 FEB 87	23 APR 87	9 FEB 87	23 APR 87
Sticker No., ID:	360, C	763, C	362, C	764, C
Compound (Detection Limit (mg/Kg))				
Cyanide (0.5)	BDL	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
* = *Invalid Data*

TABLE S-9

THIRTEEN PRIORITY POLLUTANT METALS (SEDIMENT)

TABLE S-9. **RESULTS OF SEDIMENT ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

Thirteen Priority Pollutant Metals (Sediment); Concentrations in mg/Kg

Compound	Detection Limit (mg/Kg)	SD-14	SD-15
Sampling Point:		SD-14	SD-15
Date Sampled:		23 JAN 87	23 JAN 87
Date Analyzed:		9 FEB 87	9 FEB 87
Sticker No., ID:		360, C	362, C
Arsenic	0.13	1.40	0.81
Antimony	0.90	BDL	BDL
Beryllium	0.12	0.299	0.299
Cadmium	0.34	12.8	BDL
Chromium	0.80	8.87	6.68
Copper	0.90	43.3	6.08
Lead	3.50	150.0	28.3
Mercury	0.10	0.211	0.124
Nickel	1.00	13.4	9.07
Selenium	0.22	0.58	0.70
Silver	0.60	16.2	BDL
Thallium	0.20	BDL	BDL
Zinc	0.30	285.0	14.8

BDL = Below Detection Limit

TABLE S-10

COMMON ANIONS (SURFACE WATER)

TABLE S-10. **RESULTS OF WATER ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

Anions (Surface Water); Method 429A; Concentrations in mg/L

	Sampling Point:	SW-12	SW-12 1)	SW-13	SW-13 1)
	Date Sampled:	28 JAN 87	22 APR 87	28 JAN 87	22 APR 87
	Date Analyzed:	2 FEB 87	23 APR 87	3 FEB 87	23 APR 87
	Sticker No., ID:	514, J	745, K	504, J	749, K
Compound	Detection Limit (mg/L)				
Fluoride	0.01	0.048		0.093	
Chloride	0.01	2.319		6.726	
Nitrate	0.03	BDL*	BDL	BDL*	BDL
Phosphate	0.60	0.688*	BDL	BDL*	BDL
Bromide	0.05	BDL		0.102	
Nitrite	0.05	0.171*	BDL	BDL*	BDL
Sulfate	0.05	16.231		57.118	

BDL = Below Detection Limits
1) = Resampled and Analyzed for Anions that Exceeded Holding Times
* = Invalid Data

TABLE S-11

TOTAL CYANIDE (SURFACE WATER)

TABLE S-11. **RESULTS OF WATER ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

Total Cyanide (Surface Water); Method 335.2; Concentrations in mg/L

Compound	Detection Limit (mg/L)	Sampling Point: / Date Sampled: / Date Analyzed: / Sticker No., ID:						
		* SW-12 28 JAN 87 9 FEB 87 518, N	1)* SW-20 28 JAN 87 9 FEB 87 536, O	2) SW-12 22 APR 87 23 APR 87 746, R	2),3) SW-20 22 APR 87 23 APR 87 751, O	* SW-13 28 JAN 87 9 FEB 87 508, N	2) SW-13 22 APR 87 23 APR 87 750, N
Cyanide	0.02	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Blind Duplicate of 518, N (SW-12)
2) = Resampled and Analyzed for Compounds that Exceeded Holding Times
3) = Blind Duplicate of 746, R (SW-12)
* = Invalid Data

TABLE S-12

ALKALINITY (SURFACE WATER)

TABLE S-12. **RESULTS OF WATER ANALYSES; DPDO STORAGE AREA**, p. 1 of 1

Alkalinity (Surface Water); Method A403; Concentration in mg/L $CaCO_3$

Compound	Detection Limit (mg/L)	Sampling Point: SW-12 * Date Sampled: 28 JAN 87 Date Analyzed: 20 FEB 87 Sticker No., ID: 522	Sampling Point: SW-12 Date Sampled: 2 MAR 87 Date Analyzed: 9 MAR 87 Sticker No., ID: 564, A9	Sampling Point: SW-13 * Date Sampled: 28 JAN 87 Date Analyzed: 20 FEB 87 Sticker No., ID: 512	Sampling Point: SW-13 Date Sampled: 2 MAR 87 Date Analyzed: 9 MAR 87 Sticker No., ID: 563, A9
Alkalinity	10	BDL	BDL	BDL	BDL

BDL = Below Detection Limit
* = Invalid Data

TABLE S-13

TOTAL DISSOLVED SOLIDS (SURFACE WATER)

TABLE S-13. **RESULTS OF WATER ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

Total Dissolved Solids (Surface Water); Method E160.1; Concentrations in mg/L

Sampling Point	Sticker No., ID	Date Sampled	Date Analyzed	TDS (mg/L)
SW-12	520, P	28 JAN 87	5 FEB 87	31 *
SW-13	510, P	28 JAN 87	5 FEB 87	101 *

Note: Detection Limits achieved for TDS = ± 5.0 mg/L

* = Invalid Data

TABLE S-14

THIRTEEN PRIORITY POLLUTANT METALS (SURFACE WATER)

TABLE S-14. **RESULTS OF WATER ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

Thirteen Priority Pollutant Metals (Surface Water); Concentrations in mg/L

Compound	Detection Limit (mg/L)	Methods	Sampling Point: SW-12 Date Sampled: 28 JAN 87 Date Analyzed: 8 FEB 87 Sticker No., ID: 516, L	Sampling Point: SW-13 Date Sampled: 28 JAN 87 Date Analyzed: 8 FEB 87 Sticker No., ID: 506, L
Arsenic	0.002	E206.2	BDL	BDL
Antimony	0.009	E204.2	BDL	BDL
Beryllium	0.0012	E200.7	BDL	BDL
Cadmium	0.006	E200.7	0.008	0.012
Chromium	0.008	E200.7	BDL	BDL
Copper	0.014	E200.7	BDL	BDL
Lead	0.005	E200.7	BDL	BDL
Mercury	0.0002	E245.1	BDL	BDL
Nickel	0.004	E200.7	BDL	BDL
Selenium	0.004	E270.2	BDL	BDL
Silver	0.007	E200.7	BDL	BDL
Thallium	0.002	E200.7	BDL	BDL
Zinc	0.003	E200.7	0.153	0.025

BDL = Below Detection Limit

APPENDIX T

ORGANIC RESULTS - SITE 5

(DPDO WASTE STORAGE AREA)

TABLE T-1

ACID EXTRACTABLES (WATER)

TABLE T-1. **RESULTS OF WATER ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

Acid Extractables (Water); Method 625 A; Concentrations in ug/L

Compound	Detection Limits (ug/L)	Sampling Point:	*MW-54	*MW-56	1) MW-54	2) MW-54	MW-56
		Date Sampled:	13 JAN 87	12 JAN 87	22 APR 87	22 APR 87	22 APR 87
		Date Extracted:	27 JAN 87	23 JAN 87	28 APR 87	28 APR 87	28 APR 87
		Date Analyzed:	30 JAN 87	30 JAN 87	30 MAY 87	30 MAY 87	29 MAY 87
		Sticker No., ID:	309, G	263, E2	727, G1	728, G2	733
		Depth Interval (ft):	15	(Blank)	9	9	BLANK
4-Chloro-3-Methylphenol	25		BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	25		BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	25		BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	25		BDL	BDL	BDL	BDL	BDL
2,4-Dinitrophenol	250		BDL	BDL	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	250		BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	25		BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	25		BDL	BDL	BDL	BDL	BDL
Pentachlorophenol	25		BDL	BDL	BDL	BDL	BDL
Phenol	25		BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	25		BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE T-2

AROMATIC VOLATILE ORGANICS (WATER)

TABLE T-2. **RESULTS OF WATER ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

Aromatic Volatile Organics (Water); Method 602; Concentrations in ug/L

Compound	Detection Limit (ug/L)	*	*	1)	2)
Sampling Point:		MW-54	MW-56	MW-54	MW-54
Date Sampled:		13 JAN 87	12 JAN 87	2 MAR 87	2 MAR 87
Date Analyzed:		23 JAN 87	23 JAN 87	3 MAR 87	3 MAR 87
Sticker No., ID:		297, A1	252, A1	77, A1	78, A3
Depth Interval (ft):		15	(Blank)	15	15
Benzene	1.0	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
Ethylbenzene	1.0	BDL	BDL	BDL	BDL
Toluene	1.0	BDL	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and analyzed compounds for which second column confirmation was omitted from 297, A1 (MW-54)
2) = Second Column Confirmation of 77, A1 (MW-54)
* = Invalid Data

TABLE T-3

BASE/NEUTRAL EXTRACTABLES (WATER)

TABLE T-3. **RESULTS OF WATER ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

Base/Neutral Extractables (Water); Method 625B/N; Concentrations in ug/L

Compound	Detection Limit (ug/L)	* MW-54	* MW-56	1) MW-54	2) MW-54
Sampling Site:		MW-54	MW-56	MW-54	MW-54
Date Sampled:		13 JAN 87	12 JAN 87	22 APR 87	22 APR 87
Date Extracted:		27 JAN 87	23 JAN 87	28 APR 87	28 APR 87
Date Analyzed:		30 JAN 87	30 JAN 87	30 MAY 87	30 MAY 87
Sticker No., ID:		308, GI	262, EI	727, GI	728, G2
Depth Interval (ft):		12	(Blank)	9	9
Acenaphthene	25	BDL	BDL	BDL	BDL
Acenaphthylene	10	BDL	BDL	BDL	BDL
Anthracene	10	BDL	BDL	BDL	BDL
Benzidine	10	BDL	BDL	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL	BDL	BDL
Benzo (ghi) Perylene	25	BDL	BDL	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL	43	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL	BDL	BDL
Chrysene	10	BDL	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL	BDL	BDL
Diethyl Phthalate	10	BDL	BDL	BDl	BDL
Dimethyl Phthalate	10	BDL	BDL	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL	38	BDL
Fluoranthene	10	BDL	BDL	BDL	BDL
Fluorene	10	BDL	BDL	BDL	BDL
Hexachlorobenzene	10	BDL	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL	BDL	BDL
Hexachloroethane	10	BDL	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL	BDL	BDL
Isophorone	10	BDL	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL	BDL
Nitrobenzene	10	BDL	BDL	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL	BDL	BDL
N-Nitrosodiphyenylamine	10	BDL	BDL	BDL	BDL
Phenanthrene	10	BDL	BDL	BDL	BDL
Pyrene	10	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL	BDL

BDL = Below Detection Limit

1) = Resampled and Analyzed for Compounds that Exceeded Holding Times

2) = Duplicate Sample Analyzed

* = Invalid Data

TABLE T-4

HALOGENATED VOLATILE ORGANICS (WATER)

TABLE T-4. **RESULTS OF WATER ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

Halogenated Volatile Organics (Water); Method 601; Concentrations in ug/L

Compound	Detection Limit (ug/L)	MW-54	* MW-56	1) MW-54	2) MW-54
Sampling Point:		MW-54	MW-56	MW-54	MW-54
Date Sampled:		13 JAN 87	12 JAN 87	2 MAR 87	2 MAR 87
Date Analyzed:		23 JAN 87	23 JAN 87	3 MAR 87	3 MAR 87
Sticker No., ID:		298, A2	253, A2	77, A2	77, A4
Depth Interval (ft):		15	(Blank)	15	15
Bromodichloromethane	1.0	BDL	BDL	BDL	BDL
Bromoform	1.0	BDL	BDL	BDL	BDL
Bromomethane	1.0	BDL	BDL	BDL	BDL
Carbon Tetrachloride	1.0	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	BDL	BDL	BDL
Chloroethane	1.0	BDL	BDL	BDL	BDL
2-Chlorethylvinyl Ether	1.0	BDL	BDL	BDL	BDL
Chloroform	1.0	BDL	3.8	BDL	BDL
Chloromethane	1.0	BDL	BDL	BDL	BDL
Dibromochloromethane	1.0	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	4.2	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1.0	BDL	BDL	BDL	BDL
1,1-Dichloroethane	1.0	BDL	BDL	6.0	BDL
1,2-Dichloroethane	1.0	BDL	BDL	BDL	BDL
1,1-Dichloroethene	1.0	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	1.0	BDL	BDL	12.0	12.0
1,2-Dichloropropene	1.0	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL
Methylene Chloride	1.0	7.5	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	1.0	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	1.0	4.5	BDL	25.0	BDL
1,1,2-Trichloroethane	1.0	BDL	BDL	BDL	BDL
Tetrachloroethene	1.0	BDL	BDL	BDL	BDL
Trichlorofluoromethane	1.0	BDL	BDL	BDL	BDL
Vinyl Chloride	1.0	BDL	BDL	BDL	BDL
Trichloroethene	1.0	10.0	BDL	79.0	22.0

BDL = Below Detection Limit
1) = Resampled and analyzed compounds for which second column confirmation was omitted from 298, A2 (MW-54)
2) = Second Column Confirmation of 77, A2 (MW-54)
* = Invalid Data

TABLE T-5

NON-HALOGENATED VOLATILE ORGANICS (WATER)

TABLE T-5. **RESULTS OF WATER ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

Non-Halogenated Volatile Organics (Water); Method SW 8015; Concentration in ug/L

Sampling Point:		MW-54	MW-58
Date Sampled:		13 JAN 87	13 JAN 87
Date Analyzed:		23 JAN 87	23 JAN 87
Sticker No., ID:		301, CI	312, CI
Depth Interval (ft):		15	Blank
Compound	Detection Limit (ug/L)		
Acrylamide	<10	BDL	BDL
Carbon Disulfide	<10	BDL	BDL
Diethyl Ether	<10	BDL	BDL
Methyl Ethyl Ketone	<10	BDL	BDL
Methyl Isobutyl Ketone	<10	BDL	BDL
Paraldehyde	<10	BDL	BDL

BDL = Below Detection Limit

TABLE T-6

PCB'S AND PESTICIDES (WATER)

TABLE T-6. RESULTS OF WATER ANALYSES; DPDO STORAGE AREA; p. 1 of 1

PCB's and Pesticides (Water); Method 625P; Concentrations in ug/L

Compound	Detection Limit (ug/L)	*	*	1)	2)	
Sampling Point:		MW-54	MW-56	MW-54	MW-54	MW-56
Date Sampled:		13 JAN 87	12 JAN 87	22 APR 87	22 APR 87	22 APR 87
Date Extracted:		17 JAN 87	23 JAN 87	28 APR 87	28 APR 87	28 APR 87
Date Analyzed:		30 JAN 87	30 JAN 87	30 MAY 87	30 MAY 87	29 MAY 87
Sticker No., ID:		308, G1	262, E1	727, G1	728, G2	733
Depth Interval (ft):		15	(Blank)	9	9	BLANK
Aldrin	10	BDL	BDL	BDL	BDL	BDL
Alpha - BHC	10	BDL	BDL	BDL	BDL	BDL
Beta - BHC	10	BDL	BDL	BDL	BDL	BDL
Delta - BHC	10	BDL	BDL	BDL	BDL	BDL
Gamma - BHC	10	BDL	BDL	BDL	BDL	BDL
Chlordane	10	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	10	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	10	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	10	BDL	BDL	BDL	BDL	BDL
Dieldrin	10	BDL	BDL	BDL	BDL	BDL
Endosulfan I	10	BDL	BDL	BDL	BDL	BDL
Endosulfan II	10	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL	BDL	BDL	BDL
Endrin	10	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	10	BDL	BDL	BDL	BDL	BDL
Heptachlor	10	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	10	BDL	BDL	BDL	BDL	BDL
Toxaphene	10	BDL	BDL	BDL	BDL	BDL
PCB 1016	10	BDL	BDL	BDL	BDL	BDL
PCB 1221	10	BDL	BDL	BDL	BDL	BDL
PCB 1232	10	BDL	BDL	BDL	BDL	BDL
PCB 1242	10	BDL	BDL	BDL	BDL	BDL
PCB 1248	10	BDL	BDL	BDL	BDL	BDL
PCB 1254	10	BDL	BDL	BDL	BDL	BDL
PCB 1260	10	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Duplicate Sample Analyzed
* = Invalid Data

TABLE T-7

PETROLEUM HYDROCARBONS (WATER)

TABLE T-7. **RESULTS OF WATER ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

Petroleum Hydrocarbons (Water); Method E418.1; Concentrations in mg/L

Sampling Point:	* MW-54	* MW-56
Date Sampled:	13 JAN 87	12 JAN 87
Date Extracted:	28 JAN 87	27 JAN 87
Date Analyzed	28 JAN 87	27 JAN 87
Sticker No., ID:	306, E	256, C
Depth Interval (ft):	15	Blank
Compound / Detection Limit (mg/L)		
Hydrocarbons 2.0	BDL	BDL

BDL = Below Detection Limit
* = Invalid Data

TABLE T-8

ACID EXTRACTABLES (SOIL)

TABLE T-8. RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA; p. 1 of 3

Acid Extractables (Soil); Method SW3550/SW8270; Concentrations in mg/Kg

Compound	Detection Limits (mg/Kg)							
Sampling Point:		* SB-55	1) SB-55	* SB-55	1) SB-55	* SB-55	1) SB-55	SB-55
Date Sampled:		13 NOV 86	13 APR 87	13 NOV 86	13 APR 87	13 NOV 86	13 APR 87	13 NOV 86
Date Extracted:		25 NOV 86	24 APR 87	25 NOV 86	24 APR 87	25 NOV 86	24 APR 87	25 NOV 86
Date Analyzed:		8 JAN 87	11 MAY 87	8 JAN 87	11 MAY 87	8 JAN 87	11 MAY 87	8 JAN 87
Sticker No., ID:		52, B	568, B	56, B	752, B	60, B	754, B	64, B
Depth Interval (ft):		1-3	0-2	3-5	3-5	9-11	9-11	11-13
4-Chloro-3-Methylphenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrophenol	10.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	10.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Pentachlorophenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Phenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
* = Invalid Data

TABLE T-8. **RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA**; p. 2 of 3

Acid Extractables (Soil); Method SW3550/SW8270; Concentrations in mg/Kg

Compound	Detection Limits (mg/Kg)	1) SB-56	2) SB-56	SB-56	SB-56	SB-56	SB-56
Sampling Point:							
Date Sampled:		12 NOV 86	13 APR 87	12 NOV 86	12 NOV 86	12 NOV 86	12 NOV 86
Date Extracted:		24 NOV 86	24 APR 87	24 NOV 86	24 NOV 86	24 NOV 86	24 NOV 86
Date Analyzed:		5 JAN 86	11 MAY 87	23 DEC 86	23 DEC 86	23 DEC 86	23 DEC 86
Sticker No., ID:		20, B	570, B	24, B	28, B	32, B	67, B
Depth Interval (ft):		0-2	0-2	3-5	8-10	13-15	15-18
4-Chloro-3-Methylphenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrophenol	10.0	BDL	BDL	BDL	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	10 0	BDL	BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Pentachlorophenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Phenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	1.0	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Detection Limit 10 Times that Indicated on this Page
2) = Resampled and Analyzed for Compounds that Exceeded Holding Times
* = Invalid Data

TABLE T-8. **RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA**; p. 3 of 3

Acid Extractables (Soil); Method SW3550/SW8270; Concentrations in mg/Kg

Compound	Detection Limits (mg/Kg)	1) SB-57	2)* SB-57	SB-57*		
Sampling Point:						
Date Sampled:		13 NOV 86	13 NOV 86	13 NOV 86		
Date Extracted:		24 NOV 86	24 NOV 86	24 NOV 86		
Date Analyzed:		23 DEC 86	12 JAN 87	5 JAN 87		
Sticker No., ID:		35, B	36, B	40, B	44, B	48, B
Depth Interval (ft):		0-2	2-4	4-6	9-11	11-13
4-Chloro-3-Methylphenol	1.0	BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	1.0	BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	1.0	BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	1.0	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrophenol	10.0	BDL	BDL	BDL	BDL	BDL
2-Methyl-4,6-Dinitrophenol	10.0	BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	1.0	BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	1.0	BDL	BDL	BDL	BDL	BDL
Pentachlorophenol	1.0	BDL	BDL	BDL	BDL	BDL
Phenol	1.0	BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	1.0	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Detection Limit 10 Times That Indicated on This Page
2) = Detection Limit 20 Times That Indicated on This Page
* = Invalid Data

TABLE T-9

AROMATIC VOLATILE ORGANICS (SOIL)

TABLE T-9. **RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA**; p. 1 of 3

Aromatic Volatile Organics (Soil); Method 602; Concentrations in mg/Kg

Compound	Detection Limits (mg/Kg)	Sampling Point: SB-55 Date Sampled: 13 NOV 86 Date Analyzed: 20 NOV 86 Sticker No., ID: 52, B Depth Interval (ft): 1-3	Sampling Point: SB-55 * Date Sampled: 13 NOV 86 Date Analyzed: 20 NOV 86 Sticker No., ID: 56, B Depth Interval (ft): 3-5	Sampling Point: SB-55 1) Date Sampled: 13 APR 87 Date Analyzed: 16 APR 87 Sticker No., ID: 752, B Depth Interval (ft): 3-5	Sampling Point: SB-55 * Date Sampled: 13 NOV 86 Date Analyzed: 20 NOV 86 Sticker No., ID: 60, B Depth Interval (ft): 9-11	Sampling Point: SB-55 1) Date Sampled: 13 APR 87 Date Analyzed: 16 APR 87 Sticker No., ID: 754, B Depth Interval (ft): 9-11	Sampling Point: SB-55 Date Sampled: 13 NOV 86 Date Analyzed: 20 NOV 86 Sticker No., ID: 64, B Depth Interval (ft): 11-13
Benzene	0.001	BDL	BDL	BDL	0.002	BDL	BDL
Chlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	0.001	BDL	0.018	BDL	BDL	BDL	BDL
Toluene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Xylene 2)	0.001	BDL	0.0028	---	BDL	---	BDL

BDL = Below Detection Limits
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
2) = Analyzed by Method 8020
* = Invalid Data

TABLE T-9. **RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA**; p. 2 of 3

Aromatic Volatile Organics (Soil); Method 602; Concentrations in mg/Kg

	Sampling Point:	SB-56				
	Date Sampled:	12 NOV 1986				
	Date Analyzed:	19, 20 NOV 1986				
	Sticker No., ID:	20, B	24, B	28, B	32, B	67, B
	Depth Interval (ft):	0-2	3-5	8-10	13-15	15-18
Compound	Detection Limits (mg/Kg)					
Benzene	0.001	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	0.001	BDL	BDL	BDL	BDL	BDL
Toluene	0.001	BDL	BDL	BDL	BDL	BDL
Xylene 1)	0.001	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Analyzed by Method 8020

TABLE T-9. **RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA**; p. 3 of 3

Aromatic Volatile Organics (Soil); Method 602; Concentrations in mg/Kg

Compound	Detection Limits (mg/Kg)	Sampling Point: / Date Sampled: / Date Analyzed: / Sticker No., ID: / Depth Interval (ft):					
		SB-57 * 13 NOV 86 20 NOV 86 35, B 0-2	SB-57 1) 13 APR 87 16 APR 87 572, B 0-2	SB-57 13 NOV 86 20 NOV 86 36, B 2-4	SB-57 13 NOV 86 20 NOV 86 40, B 4-6	SB-57 13 NOV 86 20 NOV 86 44, B 9-11	SB-57 13 NOV 86 20 NOV 86 44, B 11-13
Benzene	0.001	0.0018	BDL	0.001*	BDL	BDL	BDL
Chlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	0.001	BDL	BDL	BDL	BDL	BDL	BDL
Xylene 2)	0.001	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
!) = Resampled and analyzed by Method 8020
* = Invalid Data

TABLE T-10

HALOGENATED VOLATILE ORGANICS (SOIL)

TABLE T-10. **RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA**; p. 1 of 3

Halogenated Volatile Organics (Soil); Method 601; Concentrations in mg/Kg

Compound	Detection Limits (mg/Kg)	Sampling Point: SB-55			
		Date Sampled: 13 NOV 86			
		Date Analyzed: 20 NOV 86			
		Sticker No., ID: 52, B	56, B	60, B	64, B
		Depth Interval (ft): 1-3	3-5	9-11	11-13
Benzyl Chloride	0.001	BDL	BDL	BDL	BDL
Bis (2-Chloroethoxy)Methane	0.001	BDL	BDL	BDL	BDL
Bis (2-chloroisopropyl)Ether	0.001	BDL	BDL	BDL	BDL
Bromobenzene	0.001	BDL	BDL	BDL	BDL
Bromodichloromethane	0.001	BDL	BDL	BDL	BDL
Bromoform	0.001	BDL	BDL	BDL	BDL
Bromomethane	0.001	BDL	BDL	BDL	BDL
Carbon Tetrachloride	0.001	BDL	BDL	BDL	BDL
Chloroacetaldehyde	0.001	BDL	BDL	BDL	BDL
Chloral	0.001	BDL	BDL	BDL	BDL
Chlorobenzene	0.001	BDL	BDL	BDL	BDL
Chloroethane	0.001	BDL	BDL	BDL	BDL
Chloroform	0.001	BDL	BDL	BDL	BDL
1-Chlorohexane	0.001	BDL	BDL	BDL	BDL
2-Chloroethyl Vinyl Ether	0.001	BDL	BDL	BDL	BDL
Chloromethane	0.001	BDL	BDL	BDL	BDL
Chloromethyl Methyl Ether	0.001	BDL	BDL	BDL	BDL
Chlorotoluene	0.001	BDL	BDL	BDL	BDL
Dibromochloromethane	0.001	BDL	BDL	BDL	BDL
Dibromomethane	0.001	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	0.001	BDL	BDL	BDL	BDL
1,1-Dichloroethane	0.001	BDL	BDL	BDL	BDL
1,2-Dichloroethane	0.001	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	0.001	BDL	BDL	BDL	BDL
Trans-1,2-Dichloroethylene	0.001	BDL	BDL	BDL	BDL
Dichloromethane	0.001	BDL	BDL	BDL	BDL
1,2-Dichloropropane	0.001	BDL	BDL	BDL	BDL
1,3-Dichloropropylene	0.001	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.001	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	0.001	BDL	BDL	BDL	BDL
Tetrachloroethylene	0.001	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	0.001	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	0.001	BDL	BDL	BDL	BDL
Trichloroethylene	0.001	BDL	BDL	BDL	BDL
Trichlorofluoromethane	0.001	BDL	BDL	BDL	BDL
Trichloropropane	0.001	BDL	BDL	BDL	BDL
Vinyl Chloride	0.001	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

TABLE T-10. **RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA**; p. 2 of 3

Halogenated Volatile Organics (Soil); Method 601; Concentrations in mg/Kg

Sampling Point:		SB-56				
Date Sampled:		13 NOV 86				
Date Analyzed:		19 NOV 86				
Sticker No., ID:		20, B	24, B	28, B	32, B	67, B
Depth Interval (ft):		0-2	3-5	8-10	13-15	15-18
Compound	Detection Limits (mg/Kg)					
Benzyl Chloride	0.001	BDL	BDL	BDL	BDL	BDL
Bis (2-Chloroethoxy)Methane	0.001	BDL	BDL	BDL	BDL	BDL
Bis (2-chloroisopropyl)Ether	0.001	BDL	BDL	BDL	BDL	BDL
Bromobenzene	0.001	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.001	BDL	BDL	BDL	BDL	BDL
Bromoform	0.001	BDL	BDL	BDL	BDL	BDL
Bromomethane	0.001	BDL	BDL	BDL	BDL	BDL
Carbon Tetrachloride	0.001	BDL	BDL	BDL	BDL	BDL
Chlorocetaldehyde	0.001	BDL	BDL	BDL	BDL	BDL
Chloral	0.001	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
Chloroethane	0.001	BDL	BDL	BDL	BDL	BDL
Chloroform	0.001	BDL	BDL	BDL	BDL	BDL
1-Chlorohexane	0.001	BDL	BDL	BDL	BDL	BDL
2-Chloroethyl Vinyl Ether	0.001	BDL	BDL	BDL	BDL	BDL
Chloromethane	0.001	BDL	BDL	BDL	BDL	BDL
Chloromethyl Methyl Ether	0.001	BDL	BDL	BDL	BDL	BDL
Chlorotoluene	0.001	BDL	BDL	BDL	BDL	BDL
Dibromochloromethane	0.001	BDL	BDL	BDL	BDL	BDL
Dibromomethane	0.001	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	0.001	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	0.001	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	0.001	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	0.001	BDL	BDL	BDL	BDL	BDL
Trans-1,2-Dichloroethylene	0.001	BDL	BDL	BDL	BDL	BDL
Dichloromethane	0.001	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	0.001	BDL	BDL	BDL	BDL	BDL
1,3-Dichloropropylene	0.001	BDL	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.001	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	0.001	BDL	BDL	BDL	BDL	BDL
Tetrachloroethylene	0.001	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	0.001	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	0.001	BDL	BDL	BDL	BDL	BDL
Trichloroethylene	0.001	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	0.001	BDL	BDL	BDL	BDL	BDL
Trichloropropane	0.001	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.001	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

TABLE T-10. **RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA**; p. 3 of 3

Halogenated Volatile Organics (Soil); Method 601; Concentrations in mg/Kg

Sampling Point:		SB-57				
Date Sampled:		13 NOV 86				
Date Analyzed:		20 NOV 86				
Sticker No., ID:		35, B	36, B	40, B	44, B	48, B
Depth Interval (ft):		0-2	2-4	4-6	9-11	11-13
Compound	Detection Limits (mg/Kg)					
Benzyl Chloride	0.001	BDL	BDL	BDL	BDL	BDL
Bis (2-Chloroethoxy)Methane	0.001	BDL	BDL	BDL	BDL	BDL
Bis (2-chloroisopropyl)Ether	0.001	BDL	BDL	BDL	BDL	BDL
Bromobenzene	0.001	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.001	BDL	BDL	BDL	BDL	BDL
Bromoform	0.001	BDL	BDL	BDL	BDL	BDL
Bromomethane	0.001	BDL	BDL	BDL	BDL	BDL
Carbon Tetrachloride	0.001	BDL	BDL	BDL	BDL	BDL
Chloroacetaldehyde	0.001	BDL	BDL	BDL	BDL	BDL
Chloral	0.001	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
Chloroethane	0.001	BDL	BDL	BDL	BDL	BDL
Chloroform	0.001	BDL	BDL	BDL	BDL	BDL
1-Chlorohexane	0.001	BDL	BDL	BDL	BDL	BDL
2-Chloroethyl Vinyl Ether	0.001	BDL	BDL	BDL	BDL	BDL
Chloromethane	0.001	BDL	BDL	BDL	BDL	BDL
Chloromethyl Methyl Ether	0.001	BDL	BDL	BDL	BDL	BDL
Chlorotoluene	0.001	BDL	BDL	BDL	BDL	BDL
Dibromochloromethane	0.001	BDL	BDL	BDL	BDL	BDL
Dibromomethane	0.001	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.001	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	0.001	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	0.001	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	0.001	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	0.001	BDL	BDL	BDL	BDL	BDL
Trans-1,2-Dichloroethylene	0.001	BDL	BDL	BDL	BDL	BDL
Dichloromethane	0.001	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	0.001	BDL	BDL	BDL	BDL	BDL
1,3-Dichloropropylene	0.001	BDL	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	0.001	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	0.001	BDL	BDL	BDL	BDL	BDL
Tetrachloroethylene	0.001	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	0.001	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	0.001	BDL	BDL	BDL	BDL	BDL
Trichloroethylene	0.001	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	0.001	BDL	BDL	BDL	BDL	BDL
Trichloropropane	0.001	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.001	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

TABLE T-11

BASE/NEUTRAL EXTRACTABLES (SOIL)

TABLE T-11. **RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA**; p. 1 of 4

Base/Neutral Extractables (Soil); Method SW3550/625; Concentrations in mg/Kg

Compound	Detection Limits (mg/Kg)	SB-55 *	SB-55 1)	SB-55 *	SB-55 1)
Sampling Point:		SB-55	SB-55	SB-55	SB-55
Date Sampled:		13 NOV 86	13 APR 87	13 NOV 86	13 APR 87
Date Extracted:		25 NOV 86	24 APR 87	25 NOV 86	24 APR 87
Date Analyzed:		8 JAN 87	11 MAY 87	8 JAN 87	11 MAY 87
Sticker No, ID:		52, B	568, B	56, B	752, B
Depth Interval (ft):		1-3	0-2	3-5	3-5
Acenaphthene	1.0	BDL	BDL	BDL	BDL
Acenaphthylene	0.40	BDL	BDL	BDL	BDL
Anthracene	0.40	BDL	BDL	BDL	BDL
Benzidine	0.40	BDL	BDL	BDL	BDL
Benzo (a) Anthracene	0.40	BDL	BDL	BDL	BDL
Benzo (a) Pyrene	0.40	BDL	BDL	BDL	BDL
Benzo (b) Fluorathene	0.40	BDL	BDL	BDL	BDL
Benzo (ghi) Perylene	1.0	BDL	BDL	BDL	BDL
Benzo (k) Fluoranthene	0.40	BDL	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	0.40	BDL	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	0.40	BDL	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	0.40	BDL	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	0.40	1.0	3.0	BDL	5.3
4-Bromophenyl Phenyl Ether	0.40	BDL	BDL	BDL	BDL
Benzyl Butyl Phthalate	0.40	BDL	BDL	BDL	BDL
2-Chloronaphthalene	0.40	BDL	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	0.40	BDL	BDL	BDL	BDL
Chrysene	0.40	BDL	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	0.40	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.40	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.40	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.40	BDL	BDL	BDL	BDL
3,3-Dichlorobenzidine	0.40	BDL	BDL	BDL	BDL
Diethyl Phthalate	0.40	BDL	BDL	BDL	BDL
Dimethyl Phthalate	0.40	BDL	BDL	BDL	BDL
Di-N-Butyl Phthalate	0.40	BDL	BDL	0.420	BDL
2,4-Dinitrotoluene	0.40	BDL	BDL	BDL	BDL
2,6-Dinitrotoluene	0.40	BDL	BDL	BDL	BDL
Di-N-Octylphthalate	0.40	BDL	BDL	BDL	BDL
Fluoranthene	0.40	BDL	BDL	BDL	BDL
Fluorene	0.40	BDL	BDL	BDL	BDL
Hexachlorobenzene	0.40	BDL	BDL	BDL	BDL
Hexachlorobutadiene	0.40	BDL	BDL	BDL	BDL
Hexachlorocyclopentadiene	0.40	BDL	BDL	BDL	BDL
Hexachloroethane	0.40	BDL	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	1.0	BDL	BDL	BDL	BDL
Isophorone	0.40	BDL	BDL	BDL	BDL
Naphthalene	0.40	BDL	BDL	BDL	BDL
Nitrobenzene	0.40	BDL	BDL	BDL	BDL
N-Nitrosodimethylamine	0.40	BDL	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	0.40	BDL	BDL	BDL	BDL
N-Nitrosodiphenylamine	0.40	BDL	BDL	BDL	BDL
Phenanthrene	0.40	BDL	BDL	BDL	BDL
Pyrene	0.40	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	0.40	BDL	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
* = Invalid Data

TABLE T-11. **RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA;** p. 2 of 4

Base/Neutral Extractables (Soil); Method SW3550/625; Concentrations in mg/Kg

Sampling Point:		SB-55 *	SB-55 1)	SB-55 *
Date Sampled:		13 NOV 86	13 APR 87	13 NOV 86
Date Extracted:		25 NOV 86	24 APR 87	25 NOV 86
Date Analyzed:		8 JAN 87	11 MAY 87	8 JAN 87
Sticker No, ID:		60, B	754, B	64, B
Depth Interval (ft):		9-11	9-11	11-13
Compound	Detection Limits (mg/Kg)			
Acenaphthene	1.0	BDL	BDL	BDL
Acenaphthylene	0.4	BDL	BDL	BDL
Anthracene	0.4	BDL	BDL	BDL
Benzidine	0.4	BDL	BDL	BDL
Benzo (a) Anthracene	0.4	BDL	BDL	BDL
Benzo (a) Pyrene	0.4	BDL	BDL	BDL
Benzo (b) Fluoranthene	0.4	BDL	BDL	BDL
Benzo (ghi) Perylene	1.0	BDL	BDL	BDL
Benzo (k) Fluoranthene	0.4	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	0.4	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	0.4	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	0.4	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	0.4	BDL	0.94	0.44
4-Bromophenyl Phenyl Ether	0.4	BDL	BDL	BDL
Benzyl Butyl Phthalate	0.4	BDL	BDL	BDL
2-Chloronaphthalene	0.4	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	0.4	BDL	BDL	BDL
Chrysene	0.4	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	0.4	BDL	BDL	BDL
1,2-Dichlorobenzene	0.4	BDL	BDL	BDL
1,3-Dichlorobenzene	0.4	BDL	BDL	BDL
1,4-Dichlorobenzene	0.4	BDL	BDL	BDL
3,3-Dichlorobenzidine	0.4	BDL	BDL	BDL
Diethyl Phthalate	0.4	BDL	BDL	BDL
Dimethyl Phthalate	0.4	BDL	BDL	BDL
Di-N-Butyl Phthalate	0.4	BDL	BDL	1.3
2,4-Dinitrotoluene	0.4	BDL	BDL	BDL
2,6-Dinitrotoluene	0.4	BDL	BDL	BDL
Di-N-Octylphthalate	0.4	BDL	BDL	BDL
Fluoranthene	0.4	BDL	BDL	BDL
Fluorene	0.4	BDL	BDL	BDL
Hexachlorobenzene	0.4	BDL	BDL	BDL
Hexachlorobutadiene	0.4	BDL	BDL	BDL
Hexachlorocyclopentadiene	0.4	BDL	BDL	BDL
Hexachloroethane	0.4	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	1.0	BDL	BDL	BDL
Isophorone	0.4	BDL	BDL	BDL
Naphthalene	0.4	BDL	BDL	BDL
Nitrobenzene	0.4	BDL	BDL	BDL
N-Nitrosodimethylamine	0.4	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	0.4	BDL	BDL	BDL
N-Nitrosodiphenylamine	0.4	BDL	BDL	BDL
Phenanthrene	0.4	BDL	BDL	BDL
Pyrene	0.4	BDL	BDL	BDL
1,2,4-Trichlorobenzene	0.4	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
* = Invalid Data

TABLE T-11. **RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA**; p. 3 of 4

Base/Neutral Extractables (Soil); Method SW3550/625; Concentrations in mg/Kg

Compound	Detection Limits (mg/Kg)	1)* SB-56 12 NOV 86 24 NOV 86 5 JAN 87 20, B 0-2	2) SB-56 13 APR 87 24 APR 87 11 MAY 87 570, B 0-2	SB-56 12 NOV 86 24 NOV 86 23 DEC 86 24, B 3-5	28, B 8-10	32, B 13-15	67, B 15-18
Acenaphthene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Acenaphthylene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Anthracene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Benzidine	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Benzo (a) Anthracene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Benzo (a) Pyrene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Benzo (b) Fluorathene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Benzo (ghi) Perylene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Benzo (k) Fluoranthene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	0.4	BDL	3.2	0.89	4.1	BDL	BDL
4-Bromophenyl Phenyl Ether	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Benzyl Butyl Phthalate	0.4	BDL	BDL	BDL	BDL	BDL	BDL
2-Chloronaphthalene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Chrysene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
3,3-Dichlorobenzidine	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Diethyl Phthalate	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Dimethyl Phthalate	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Di-N-Butyl Phthalate	0.4	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dinitrotoluene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
2,6-Dinitrotoluene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Di-N-Octylphthalate	0.4	BDL	BDL	BDL	BDL	BDL	0.69
Fluoranthene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Fluorene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorobenzene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorobutadiene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorocyclopentadiene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Hexachloroethane	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	1.0	BDL	BDL	BDL	BDL	BDL	BDL
Isophorone	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Nitrobenzene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
N-Nitrosodimethylamine	0.4	BDL	BDL	BDL	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	0.4	BDL	BDL	BDL	BDL	BDL	BDL
N-Nitrosodiphenylamine	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Phenanthrene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
Pyrene	0.4	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	0.4	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Detection Limit is 10 Times That Indicated on This Page
2) = Resampled and Analyzed for Compounds that Exceeded Holding Times
* = Invalid Data

TABLE T-11. **RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA**; p. 4 of 4

Base/Neutral Extractables (Soil); Method SW3550/625; Concentrations in mg/Kg

Compound	Detection Limits (mg/Kg)	1) SB-57	2)* SB-57	SB-57*		
Sampling Point:						
Date Sampled:		13 NOV 86	13 NOV 86	13 NOV 86		
Date Extracted:		24 NOV 86	24 NOV 86	24 NOV 86		
Date Analyzed:		23 DEC 86	12 JAN 87	5 JAN 87		
Sticker No., ID:		35, B	36, B	40, B	44, B	48, B
Depth Interval (ft):		0-2	2-4	4-6	9-11	11-13
Acenaphthene	1.0	BDL	BDL	BDL	BDL	BDL
Acenaphthylene	0.4	BDL	BDL	BDL	BDL	BDL
Anthracene	0.4	BDL	BDL	BDL	BDL	BDL
Benzidine	0.4	BDL	BDL	BDL	BDL	BDL
Benzo (a) Anthracene	0.4	BDL	BDL	BDL	BDL	BDL
Benzo (a) Pyrene	0.4	BDL	BDL	BDL	BDL	BDL
Benzo (b) Fluorathene	0.4	BDL	BDL	BDL	BDL	BDL
Benzo (ghi) Perylene	1.0	BDL	BDL	BDL	BDL	BDL
Benzo (k) Fluoranthene	0.4	BDL	BDL	BDL	BDL	BDL
Bis (2-Chloroethoxy) Methane	0.4	BDL	BDL	BDL	BDL	BDL
Bis (2-Chloroethyl) Ether	0.4	BDL	BDL	BDL	BDL	BDL
Bis (2-Chloroisopropyl) Ether	0.4	BDL	BDL	BDL	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	0.4	24.0	BDL	1.5	BDL	BDL
4-Bromophenyl Phenyl Ether	0.4	BDL	BDL	BDL	BDL	BDL
Benzyl Butyl Phthalate	0.4	BDL	BDL	BDL	BDL	BDL
2-Chloronaphthalene	0.4	BDL	BDL	BDL	BDL	BDL
4-Chlorophenyl Phenyl Ether	0.4	BDL	BDL	BDL	BDL	BDL
Chrysene	0.4	BDL	BDL	BDL	BDL	BDL
Dibenzo (a,h) Anthracene	0.4	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	0.4	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	0.4	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	0.4	BDL	BDL	BDL	BDL	BDL
3,3-Dichlorobenzidine	0.4	BDL	BDL	BDL	BDL	BDL
Diethyl Phthalate	0.4	BDL	BDL	BDL	BDL	BDL
Dimethyl Phthalate	0.4	BDL	BDL	BDL	BDL	BDL
Di-N-Butyl Phthalate	0.4	7.4	BDL	1.5	BDL	0.53
2,4-Dinitrotoluene	0.4	BDL	BDL	BDL	BDL	BDL
2,6-Dinitrotoluene	0.4	BDL	BDL	BDL	BDL	BDL
Di-N-Octylphthalate	0.4	BDL	BDL	BDL	BDL	BDL
Fluoranthene	0.4	BDL	11.0	BDL	BDL	BDL
Fluorene	0.4	BDL	BDL	BDL	BDL	BDL
Hexachlorobenzene	0.4	BDL	BDL	BDL	BDL	BDL
Hexachlorobutadiene	0.4	BDL	BDL	BDL	BDL	BDL
Hexachlorocyclopentadiene	0.4	BDL	BDL	BDL	BDL	BDL
Hexachloroethane	0.4	BDL	BDL	BDL	BDL	BDL
Indeno (1,2,3-cd) Pyrene	1.0	BDL	BDL	BDL	BDL	BDL
Isophorone	0.4	BDL	BDL	BDL	BDL	BDL
Naphthalene	0.4	BDL	BDL	BDL	BDL	BDL
Nitrobenzene	0.4	BDL	BDL	BDL	BDL	BDL
N-Nitrosodimethylamine	0.4	BDL	BDL	BDL	BDL	BDL
N-Nitroso-Di-N-Propylamine	0.4	BDL	BDL	BDL	BDL	BDL
N-Nitrosodiphenylamine	0.4	BDL	BDL	BDL	BDL	BDL
Phenanthrene	0.4	BDL	BDL	BDL	BDL	BDL
Pyrene	0.4	BDL	10.0	BDL	BDL	BDL
1,2,4-Trichlorobenzene	0.4	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Detection Limit is 10 Times That Indicated on This Page
2) = Detection Limit is 20 Times that Indicated on This Page
* = Invalid Data

TABLE T-12

NON-HALOGENATED VOLATILE ORGANICS (SOIL)

TABLE T-12. **RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA**; p. 1 of 3

Nonhalogenated Volatile Organics (Soil); Method SW5030/601; Concentrations in mg/Kg

Compound	Detection Limits (mg/Kg)	SB-55*			
Sampling Point:		SB-55*			
Date Sampled:		13 NOV 86			
Data Analyzed:		15 JAN 87			
Sticker No., ID:		52, B	56, B	60, B	64, B
Depth Interval (ft):		1-3	3-5	9-11	11-13
Acrylamide	0.010	BDL	BDL	BDL	BDL
Carbon Disulfide	0.100	BDL	BDL	BDL	BDL
Diethyl Ether	0.010	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	0.010	BDL	BDL	BDL	BDL
Methyl Isobutyl Ketone	0.010	BDL	BDL	BDL	BDL
Paraldehyde	0.100	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
* = Invalid Data

TABLE T-12. **RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA**; p. 2 of 3

Nonhalogenated Volatile Organics (Soil); Method SW5030/601; Concentrations in mg/Kg

Compound	Detection Limits (mg/Kg)	Sampling Point:	SB-56*			
		Date Sampled:	12 NOV 1986			
		Date Analyzed:	15 JAN 1987			
		Sticker No., ID:	20, B	24, B	28, B	32, B	67, B
		Depth Interval (ft):	0-2	3-5	8-10	13-15	15-18
Acrylamide	0.010		BDL	BDL	BDL	BDL	BDL
Carbon Disulfide	0.100		BDL	BDL	BDL	BDL	BDL
Diethyl Ether	0.010		BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	0.010		BDL	BDL	BDL	BDL	BDL
Methyl Isobutyl Ketone	0.010		BDL	BDL	BDL	BDL	BDL
Paraldehyde	0.100		BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
* = Invalid Data

TABLE T-12. **RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA**; p. 3 of 3

Nonhalogenated Volatile Organics/Soil; Method SW5030/601; Concentrations in mg/Kg

Compound	Detection Limits (mg/Kg)	SB-57* 13 NOV 86 15 JAN 87				
Sampling Point:						
Date Sampled:						
Date Analyzed:						
Sticker No., ID:		35, B	36, B	40, B	41, B	48, B
Depth Interval (ft):		0-2	2-4	4-6	9-11	11-13
Acrylamide	0.010	BDL	BDL	BDL	BDL	BDL
Carbon Disulfide	0.100	BDL	BDL	BDL	BDL	BDL
Diethyl Ether	0.010	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	0.010	BDL	BDL	BDL	BDL	BDL
Methyl Isobutyl Ketone	0.010	BDL	BDL	BDL	BDL	BDL
Paraldehyde	0.100	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
* = Invalid Data

TABLE T-13

PCB'S AND PESTICIDES (SOIL)

TABLE T-13. **RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA**; p. 1 of 3

PCB/Pesticides (Soil); Method 625P; Concentrations in mg/Kg

Compound	Detection Limits (mg/Kg)	SB-55 *	SB-55 1)	SB-55 *	SB-55 1)	SB-55 *	SB-55 1)	SB-55 *
Sampling Point:		SB-55	SB-55	SB-55	SB-55	SB-55	SB-55	SB-55
Date Sampled:		13 NOV 86	13 APR 87	13 NOV 86	13 APR 87	13 NOV 86	13 APR 87	13 NOV 86
Date Extracted:		25 NOV 86	24 APR 87	25 NOV 86	24 APR 87	25 NOV 86	24 APR 87	25 NOV 86
Date Analyzed:		8 JAN 87	11 MAY 87	8 JAN 87	11 MAY 87	9 JAN 87	11 MAY 87	9 JAN 87
Sticker No., ID:		52, B	568, B	56, B	752, B	60, B	754, B	64, B
Depth Interval (ft):		1-3	0-2	3-5	3-5	9-11	9-11	11-13
Aldrin	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Alpha-BHC	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Beta-BHC	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Delta-BHC	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Gamma-BHC	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlordane	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan I	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan II	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endrin	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toxaphene	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1016	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1221	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1232	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1242	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1248	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1254	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1260	0.400	BDL	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
* = Invalid Data

TABLE T-13. **RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA**; p. 2 of 3

PCB/Pesticides (Soil); Method 625P; Concentrations in mg/Kg

Compound	Detection Limits (mg/Kg)	SB-56 *	SB-56 1)	SB-56	SB-56	SB-56	SB-56
Sampling Point:		SB-56	SB-56	SB-56	SB-56	SB-56	SB-56
Date Sampled:		12 NOV 86	13 APR 87	12 NOV 86	12 NOV 86	12 NOV 86	12 NOV 86
Date Extracted:		24 NOV 86	24 APR 87	24 NOV 86	24 NOV 86	24 NOV 86	24 NOV 86
Date Analyzed:		5 JAN 87	11 MAY 87	23 DEC 86	23 DEC 86	23 DEC 86	23 DEC 86
Sticker No., ID:		20, B	570, B	24, B	28, B	32, B	67, B
Depth Interval (ft):		0-2	0-2	3-5	8-10	13-15	15-18
Aldrin	4.0	BDL	BDL	BDL	BDL	BDL	BDL
Alpha-BHC	4.0	BDL	BDL	BDL	BDL	BDL	BDL
Beta-BHC	4.0	BDL	BDL	BDL	BDL	BDL	BDL
Delta-BHC	4.0	BDL	BDL	BDL	BDL	BDL	BDL
Gamma-BHC	4.0	BDL	BDL	BDL	BDL	BDL	BDL
Chlordane	4.0	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	4.0	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	4.0	BDL	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	4.0	BDL	BDL	BDL	BDL	BDL	BDL
Dieldrin	4.0	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan I	4.0	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan II	4.0	BDL	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	4.0	BDL	BDL	BDL	BDL	BDL	BDL
Endrin	4.0	BDL	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	4.0	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor	4.0	BDL	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	4.0	BDL	BDL	BDL	BDL	BDL	BDL
Toxaphene	4.0	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1016	4.0	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1221	4.0	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1232	4.0	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1242	4.0	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1248	4.0	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1254	4.0	BDL	BDL	BDL	BDL	BDL	BDL
PCB 1260	4.0	BDL	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits
1) = Resampled and Analyzed for Compounds that Exceeded Holding Times
* = Invalid Data

TABLE T-13. **RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA**; p. 3 of 3

PCB/Pesticides (Soil); Method 625P; Concentrations in mg/Kg

Compound	Detection Limits (mg/Kg)	Sampling Point: SB-57	SB-57	SB-57	SB-57	SB-57
		Date Sampled: 13 NOV 86	13 NOV 86	13 NOV 86	13 NOV 86	13 NOV 86
		Date Extracted: 24 NOV 86	24 NOV 86	24 NOV 86	24 NOV 86	24 NOV 86
		Date Analyzed: 23 DEC 86	12 JAN 87	5 JAN 87	5 JAN 87	5 JAN 87
		Sticker No., ID: 35, B	36, B	40, B	44, B	48, B
		Depth Interval (ft): 0-2	2-4	4-6	9-11	11-13
Aldrin	4.0	BDL	BDL	BDL	BDL	BDL
Alpha-BHC	4.0	BDL	BDL	BDL	BDL	BDL
Beta-BHC	4.0	BDL	BDL	BDL	BDL	BDL
Delta-BHC	4.0	BDL	BDL	BDL	BDL	BDL
Gamma-BHC	4.0	BDL	BDL	BDL	BDL	BDL
Chlordane	4.0	BDL	BDL	BDL	BDL	BDL
4,4'-DDD	4.0	BDL	BDL	BDL	BDL	BDL
4,4'-DDE	4.0	BDL	BDL	BDL	BDL	BDL
4,4'-DDT	4.0	BDL	BDL	BDL	BDL	BDL
Dieldrin	4.0	BDL	BDL	BDL	BDL	BDL
Endosulfan I	4.0	BDL	BDL	BDL	BDL	BDL
Endosulfan II	4.0	BDL	BDL	BDL	BDL	BDL
Endosulfan Sulfate	4.0	BDL	BDL	BDL	BDL	BDL
Endrin	4.0	BDL	BDL	BDL	BDL	BDL
Endrin Aldehyde	4.0	BDL	BDL	BDL	BDL	BDL
Heptachlor	4.0	BDL	BDL	BDL	BDL	BDL
Heptachlor Epoxide	4.0	BDL	BDL	BDL	BDL	BDL
Toxaphene	4.0	BDL	BDL	BDL	BDL	BDL
PCB 1016	4.0	BDL	BDL	BDL	BDL	BDL
PCB 1221	4.0	BDL	BDL	BDL	BDL	BDL
PCB 1232	4.0	BDL	BDL	BDL	BDL	BDL
PCB 1242	4.0	BDL	BDL	BDL	BDL	BDL
PCB 1248	4.0	BDL	BDL	BDL	BDL	BDL
PCB 1254	4.0	BDL	BDL	BDL	BDL	BDL
PCB 1260	4.0	BDL	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

TABLE T-14

PETROLEUM HYDROCARBONS (SOIL)

TABLE T-14. **RESULTS OF SOIL ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

Petroleum Hydrocarbon (Soil); Method 625P; Concentrations in mg/Kg

Species	Detection Limits (mg/Kg)	SB-55 13 NOV 86 1 JAN 87				SB-56 12 NOV 86 1 JAN 87					SB-57 13 NOV 86 1 JAN 87				
Sampling Point:															
Date Sampled:															
Date Analyzed:															
Sticker No., ID:		52, B	56, B	60, B	64, B	20, B	24, B	28, B	32, B	67, B	35, B	36, B	40, B	44, B	48, B
Depth Interval (ft):		1-3	3-5	9-11	11-13	0-2	3-5	8-10	13-15	15-18	0-2	2-4	4-6	9-11	11-13
Hydrocarbons	25	BDL	BDL	BDL	BDL	310	BDL	BDL	BDL	BDL	560	BDL	BDL	BDL	BDL

BDL = Below Detection Limits

TABLE T-15

ACID EXTRACTABLES (SEDIMENT)

TABLE T-15. **RESULTS OF SEDIMENT ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

Acid Extractables (Sediment); Method 625 A; Concentrations in mg/Kg

Compound	Detection Limits (mg/Kg)	SD-14	SD-15
Sampling Point:		SD-14	SD-15
Date Sampled:		23 JAN 87	23 JAN 87
Date Extracted:		4 FEB 87	4 FEB 87
Date Analyzed:		23 FEB 87	23 FEB 87
Sticker No., ID:		379, A	385, A
4-Chloro-3-Methylphenol	1.250	BDL	BDL
2-Chlorophenol	1.250	BDL	BDL
2,4-Dichlorophenol	1.250	BDL	BDL
2,4-Dimethylphenol	1.250	BDL	BDL
2,4-Dinitrophenol	12.500	BDL	BDL
2-Methyl-4,6-Dinitrophenol	12.500	BDL	BDL
2-Nitrophenol	12.500	BDL	BDL
4-Nitrophenol	1.250	BDL	BDL
Pentachlorophenol	1.250	BDL	BDL
Phenol	1.250	BDL	BDL
2,4,6-Trichlorophenol	1.250	BDL	BDL

BDL = Below Detection Limits

TABLE T-16

AROMATIC VOLATILE ORGANICS (SEDIMENT)

TABLE T-16. **RESULTS OF SEDIMENT ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

Aromatic Volatile Organics (Sediment); Method 602; Concentrations in mg/Kg

Compound	Detection Limit (mg/Kg)	Sampling Point: SD-14 Date Sampled: 28 JAN 87 Date Analyzed: 4 FEB 87 Sticker No., ID: 379, A	Sampling Point: SD-15 Date Sampled: 28 JAN 87 Date Analyzed: 4 FEB 87 Sticker No., ID: 385, A
Benzene	0.001	BDL	BDL
Chlorobenzene	0.001	BDL	BDL
1,2-Dichlorobenzene	0.001	BDL	BDL
1,3-Dichlorobenzene	0.001	BDL	BDL
1,4-Dichlorobenzene	0.001	BDL	BDL
Ethylbenzene	0.001	BDL	BDL
Toluene	0.001	BDL	BDL
Xylene	0.001	BDL	BDL

BDL = Below Detection Limit

TABLE T-17

BASE/NEUTRAL EXTRACTABLES (SEDIMENT)

TABLE T-17. **RESULTS OF SEDIMENT ANALYSES;DPDO STORAGE AREA**; p. 1 of 1

Base/Neutral Extractables (Sediment); Method 625B/N; Concentrations in mg/Kg

Compound	Detection Limit (mg/Kg)	SD-14	SD-15
Sampling Site:		SD-14	SD-15
Date Sampled:		23 JAN 87	23 JAN 87
Date Extracted:		4 FEB 87	4 FEB 87
Date Analyzed:		23 FEB 87	23 FEB 87
Sticker No., ID:		379, A	385, A
Acenaphthene	1.250	BDL	BDL
Acenaphthylene	0.500	BDL	BDL
Anthracene	0.500	BDL	BDL
Benzidine	0.500	BDL	BDL
Benzo (a) Anthracene	0.500	BDL	BDL
Benzo (a) Pyrene	0.500	BDL	BDL
Benzo (b) Fluoranthene	0.500	BDL	BDL
Benzo (ghi) Perylene	1.250	BDL	BDL
Benzo (k) Fluoranthene	0.500	BDL	BDL
Bis (2-Chloroethoxy) Methane	0.500	BDL	BDL
Bis (2-Chloroethyl) Ether	0.500	BDL	BDL
Bis (2-Chloroisopropyl) Ether	0.500	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	0.500	BDL	BDL
4-Bromophenyl Phenyl Ether	0.500	BDL	BDL
Benzyl Butyl Phthalate	0.500	BDL	BDL
2-Chloronaphthalene	0.500	BDL	BDL
4-Chlorophenyl Phenyl Ether	0.500	BDL	BDL
Chrysene	0.500	BDL	BDL
Dibenzo (a,h) Anthracene	0.500	BDL	BDL
1,2-Dichlorobenzene	0.500	BDL	BDL
1,3-Dichlorobenzene	0.500	BDL	BDL
1,4-Dichlorobenzene	0.500	BDL	BDL
3,3-Dichlorobenzidine	0.500	BDL	BDL
Diethyl Phthalate	0.500	BDL	BDL
Dimethyl Phthalate	0.500	BDL	BDL
Di-N-Butyl Phthalate	0.500	BDL	BDL
2,4-Dinitrotoluene	0.500	BDL	BDL
2,6-Dinitrotoluene	0.500	BDL	BDL
Di-N-Octylphthalate	0.500	BDL	BDL
Fluoranthene	0.500	BDL	BDL
Fluorene	0.500	BDL	BDL
Hexachlorobenzene	0.500	BDL	BDL
Hexachlorobutadiene	0.500	BDL	BDL
Hexachlorocyclopentadiene	0.500	BDL	BDL
Hexachloroethane	0.500	BDL	BDL
Indeno (1,2,3-cd) Pyrene	1.250	BDL	BDL
Isophorone	0.500	BDL	BDL
Naphthalene	0.500	BDL	BDL
Nitrobenzene	0.500	BDL	BDL
N-Nitrosodimethylamine	0.500	BDL	BDL
N-Nitroso-Di-N-Propylamine	0.500	BDL	BDL
N-Nitrosodiphyenylamine	0.500	BDL	BDL
Phenanthrene	0.500	BDL	BDL
Pyrene	0.500	BDL	BDL
1,2,4-Trichlorobenzene	0.500	BDL	BDL

BDL = Below Detection Limit

TABLE T-18

HALOGENATED VOLATILE ORGANICS (SEDIMENT)

TABLE T-18. **RESULTS OF SEDIMENT ANALYSES; DPDO STORAGE AREA;** p. 1 of 1

Halogenated Volatile Organics (Sediments); Method 601; Concentrations in mg/Kg

Compound	Detection Limit (mg/Kg)	SD-14	SD-15
Sampling Point:		SD-14	SD-15
Date Sampled:		23 JAN 87	23 JAN 87
Date Analyzed:		5 FEB 87	4 FEB 87
Sticker No., ID:		379, A	385, A
Bromodichloromethane	0.001	BDL	BDL
Bromoform	0.001	BDL	BDL
Bromomethane	0.001	BDL	BDL
Carbon Tetrachloride	0.001	BDL	BDL
Chlorobenzene	0.001	BDL	BDL
Chloroethane	0.001	BDL	BDL
2-Chlorethylvinyl Ether	0.001	BDL	BDL
Chloroform	0.001	BDL	BDL
Chloromethane	0.001	BDL	BDL
Dibromochloromethane	0.001	BDL	BDL
1,2-Dichlorobenzene	0.001	BDL	BDL
1,3-Dichlorobenzene	0.001	BDL	BDL
1,4-Dichlorobenzene	0.001	BDL	BDL
Dichlorodifluoromethane	0.001	BDL	BDL
1,1-Dichloroethane	0.001	BDL	BDL
1,2-Dichloroethane	0.001	BDL	BDL
1,1-Dichloroethene	0.001	BDL	BDL
trans-1,2-Dichloroethene	0.001	BDL	BDL
1,2-Dichloropropene	0.001	BDL	BDL
cis-1,3-Dichloropropene	0.001	BDL	BDL
trans-1,3-Dichloropropene	0.001	BDL	BDL
Methylene Chloride	0.001	BDL	0.0085*
1,1,2,2-Tetrachloroethane	0.001	BDL	BDL
1,1,1-Trichloroethane	0.001	0.0011*	BDL
1,1,2-Trichloroethane	0.001	BDL	BDL
Tetrachloroethene	0.001	BDL	BDL
Trichlorofluoromethane	0.001	BDL	BDL
Vinyl Chloride	0.001	BDL	BDL
Trichloroethene	0.001	BDL	BDL
1,1,2,-Trichloro-1,2,2-Trifluoroethane	0.001	14*	BDL

BDL = Below Detection Limit

* = Invalid Data

TABLE T-19

NON-HALOGENATED VOLATILE ORGANICS (SEDIMENT)

TABLE T-19. **RESULTS OF SEDIMENT ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

Non-Halogenated Volatile Organics (Sediment); Method 8015; Concentration in mg/Kg

Compound	Detection Limit (mg/Kg)	Sampling Point: SD-14 Date Sampled: 23 JAN 87 Date Analyzed: 3 FEB 87 Sticker No., ID: 379, A	Sampling Point: SD-15 Date Sampled: 23 JAN 87 Date Analyzed: 3 FEB 87 Sticker No., ID: 385, A
Acrylamide	0.010	BDL	BDL
Carbon Disulfide	0.010	BDL	BDL
Diethyl Ether	0.010	BDL	BDL
Methyl Ethyl Ketone	0.010	BDL	BDL
Methyl Isobutyl Ketone	0.010	BDL	BDL
Paraldehyde	0.010	BDL	BDL

BDL = Below Detection Limit

TABLE T-20

PCB'S AND PESTICIDES (SEDIMENT)

TABLE T-20. **RESULTS OF SEDIMENT ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

PCB's and Pesticides (Sediment); Method 625P; Concentrations in mg/Kg

Compound	Detection Limit (mg/Kg)	SD-14	SD-15
Sampling Point:		SD-14	SD-15
Date Sampled:		23 JAN 87	23 JAN 87
Date Extracted:		4 FEB 87	4 FEB 87
Date Analyzed:		23 FEB 87	23 FEB 87
Sticker No., ID:		379, A	385, A
Aldrin	0.500	BDL	BDL
Alpha - BHC	0.500	BDL	BDL
Beta - BHC	0.500	BDL	BDL
Delta - BHC	0.500	BDL	BDL
Gamma - BHC	0.500	BDL	BDL
Chlordane	0.500	BDL	BDL
4,4'-DDD	0.500	BDL	BDL
4,4'-DDE	0.500	BDL	BDL
4,4'-DDT	0.500	BDL	BDL
Dieldrin	0.500	BDL	BDL
Endosulfan I	0.500	BDL	BDL
Endosulfan II	0.500	BDL	BDL
Endosulfan Sulfate	0.500	BDL	BDL
Endrin	0.500	BDL	BDL
Endrin Aldehyde	0.500	BDL	BDL
Heptachlor	0.500	BDL	BDL
Heptachlor Epoxide	0.500	BDL	BDL
Toxaphene	0.500	BDL	BDL
PCB 1016	0.500	BDL	BDL
PCB 1221	0.500	BDL	BDL
PCB 1232	0.500	BDL	BDL
PCB 1242	0.500	BDL	BDL
PCB 1248	0.500	BDL	BDL
PCB 1254	0.500	BDL	BDL
PCB 1260	0.500	BDL	BDL

BDL = Below Detection Limits

TABLE T-21

PETROLEUM HYDROCARBONS (SEDIMENT)

TABLE T-21. **RESULTS OF SEDIMENT ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

Petroleum Hydrocarbons (Sediment); Method 625 P; Concentrations in mg/Kg

	Sampling Point:	SD-14	SD-15
	Date Sampled:	23 JAN 87	23 JAN 87
	Date Extracted:	6 FEB 87	6 FEB 87
	Date Analyzed	6 FEB 87	6 FEB 87
	Sticker No.:	379, A	385, A
Compound	Detection Limit (mg/Kg)		
Hydrocarbons	25	BDL	<38

TABLE T-22

ACID EXTRACTABLES (SURFACE WATER)

TABLE T-22. **RESULTS OF SURFACE WATER ANALYSES; DPDO STORAGE AREA** ; p. 1 of 1

Acid Extractables (Surface Water); Method 625 A; Concentrations in ug/L

Compound	Detection Limits (ug/L)	Sampling Point: SW-12 Date Sampled: 28 JAN 87 Date Extracted: 4 FEB 87 Date Analyzed: 10 FEB 87 Sticker No., ID: 487, G2	Sampling Point: SW-13 Date Sampled: 28 JAN 87 Date Extracted: 4 FEB 87 Date Analyzed: 10 FEB 87 Sticker No., ID: 501, G2
4-Chloro-3-Methylphenol	25	BDL	BDL
2-Chlorophenol	25	BDL	BDL
2,4-Dichlorophenol	25	BDL	BDL
2,4-Dimethylphenol	25	BDL	BDL
2,4-Dinitrophenol	250	BDL	BDL
2-Methyl-4,6-Dinitrophenol	250	BDL	BDL
2-Nitrophenol	25	BDL	BDL
4-Nitrophenol	25	BDL	BDL
Pentachlorophenol	25	BDL	BDL
Phenol	25	BDL	BDL
2,4,6-Trichlorophenol	25	BDL	BDL

BDL = Below Detection Limits

TABLE T-23

AROMATIC VOLATILE ORGANICS (SURFACE WATER)

TABLE T-23. **RESULTS OF SURFACE WATER ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

Aromatic Volatile Organics (Surface Water); Method 602; Concentrations in ug/L

Compound	Detection Limit (ug/L)	SW-12	SW-13
Sampling Point:		SW-12	SW-13
Date Sampled:		28 JAN 87	28 JAN 87
Date Analyzed:		4 FEB 87	4 FEB 87
Sticker No., ID:		476, AI	490, AI
Benzene	1.0	BDL	BDL
Chlorobenzene	1.0	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL
Ethylbenzene	1.0	BDL	BDL
Toluene	1.0	BDL	BDL
Xylene 1)	1.0	BDL	BDL

BDL = Below Detection Limit
1) = Quantitated as Ethlybenzene

TABLE T-24

BASE/NEUTRAL EXTRACTABLES (SURFACE WATER)

TABLE T-24. **RESULTS OF SURFACE WATER ANALYSES; DPDO STORAGE AREA:** p. 1 of 1

Base/Neutral Extractables (Surface Water); Method 625B/N; Concentrations in ug/L

Compound	Detection Limit (ug/L)	SW-12	SW-13
Sampling Site:		SW-12	SW-13
Date Sampled:		28 JAN 87	28 JAN 87
Date Extracted:		4 FEB 87	4 FEB 87
Date Analyzed:		10 FEB 87	10 FEB 87
Sticker No., ID:		486, GI	500, GI
Acenaphthene	25	BDL	BDL
Acenaphthylene	10	BDL	BDL
Anthracene	10	BDL	BDL
Benzidine	10	BDL	BDL
Benzo (a) Anthracene	10	BDL	BDL
Benzo (a) Pyrene	10	BDL	BDL
Benzo (b) Fluoranthene	10	BDL	BDL
Benzo (ght) Perylene	25	BDL	BDL
Benzo (k) Fluoranthene	10	BDL	BDL
Bis (2-Chloroethoxy) Methane	10	BDL	BDL
Bis (2-Chloroethyl) Ether	10	BDL	BDL
Bis (2-Chloroisopropyl) Ether	10	BDL	BDL
Bis (2-Ethylhexyl) Phthalate	10	BDL	BDL
4-Bromophenyl Phenyl Ether	10	BDL	BDL
Benzyl Butyl Phthalate	10	BDL	BDL
2-Chloronaphthalene	10	BDL	BDL
4-Chlorophenyl Phenyl Ether	10	BDL	BDL
Chrysene	10	BDL	BDL
Dibenzo (a,h) Anthracene	10	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL
3,3-Dichlorobenzidine	10	BDL	BDL
Diethyl Phthalate	10	BDL	BDL
Dimethyl Phthalate	10	BDL	BDL
Di-N-Butyl Phthalate	10	BDL	BDL
2,4-Dinitrotoluene	10	BDL	BDL
2,6-Dinitrotoluene	10	BDL	BDL
Di-N-Octylphthalate	10	BDL	BDL
Fluoranthene	10	BDL	BDL
Fluorene	10	BDL	BDL
Hexachlorobenzene	10	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL
Hexachlorocyclopentadiene	10	BDL	BDL
Hexachloroethane	10	BDL	BDL
Indeno (1,2,3-cd) Pyrene	25	BDL	BDL
Isophorone	10	BDL	BDL
Naphthalene	10	BDL	BDL
Nitrobenzene	10	BDL	BDL
N-Nitrosodimethylamine	10	BDL	BDL
N-Nitroso-Di-N-Propylamine	10	BDL	BDL
N-Nitrosodiphyenylamine	10	BDL	BDL
Phenanthrene	10	BDL	BDL
Pyrene	10	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL

BDL = Below Detection Limit

TABLE T-25

H^LOGENATED VOLATILE ORGANICS (SURFACE WATER)

TABLE T-25. **RESULTS OF SURFACE WATER ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

Halogenated Volatile Organics (Surface Water); Method 601; Concentrations in ug/L

Compound	Detection Limit (ug/L)	Sampling Point: SW-12 Date Sampled: 28 JAN 87 Date Analyzed: 4 FEB 87 Sticker No., ID: 477, A2	Sampling Point: SW-13 Date Sampled: 28 JAN 87 Date Analyzed: 4 FEB 87 Sticker No., ID: 491, A2	Sampling Point: SW-13 1) Date Sampled: 2 MAR 87 Date Analyzed: 3 MAR 87 Sticker No., ID: 547, A2	Sampling Point: SW-13 2) Date Sampled: 2 MAR 87 Date Analyzed: 3 MAR 87 Sticker No., ID: 547, A2
Bromodichloromethane	1.0	BDL	BDL	BDL	BDL
Bromoform	1.0	BDL	BDL	BDL	BDL
Bromomethane	1.0	BDL	BDL	BDL	BDL
Carbon Tetrachloride	1.0	BDL	BDL	BDL	BDL
Chlorobenzene	1.0	BDL	BDL	BDL	BDL
Chloroethane	1.0	BDL	BDL	BDL	BDL
2-Chlorethylvinyl Ether	1.0	BDL	BDL	BDL	BDL
Chloroform	1.0	BDL	BDL	BDL	BDL
Chloromethane	1.0	BDL	BDL	BDL	BDL
Dibromochloromethane	1.0	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1.0	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1.0	BDL	BDL	BDL	BDL
1,1-Dichloroethane	1.0	BDL	BDL	BDL	BDL
1,2-Dichloroethane	1.0	BDL	BDL	BDL	BDL
1,1-Dichloroethene	1.0	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethene	1.0	BDL	BDL	BDL	BDL
1,2-Dichloropropene	1.0	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL
trans-1,3-Dichloropropene	1.0	BDL	BDL	BDL	BDL
Methylene Chloride	1.0	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	1.0	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	1.0	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	1.0	BDL	BDL	BDL	BDL
Tetrachloroethene	1.0	BDL	BDL	BDL	BDL
Trichlorofluoromethane	1.0	BDL	BDL	BDL	BDL
Vinyl Chloride	1.0	BDL	BDL	BDL	BDL
Trichloroethene	1.0	BDL	2.7	3.0	3.0

BDL = Below Detection Limit
1) = Resampled and analyzed compounds for which second column confirmation was omitted from 491, A2 (SW-13)
2) = Second Column Confirmation of 547, A2 (SW-13)

TABLE T-26

NON-HALOGENATED VOLATILE ORGANICS (SURFACE WATER)

TABLE T-26. **RESULTS OF SURFACE WATER ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

Non-Halogenated Volatile Organics (Surface Water); Method SW 8015; Concentration in ug/L

Compound	Detection Limit (ug/L)	Sampling Point: SW-12 Date Sampled: 28 JAN 87 Date Analyzed: 3 FEB 87 Sticker No., ID: 480, C1	Sampling Point: MW-58 1) Date Sampled: 28 JAN 87 Date Analyzed: 5 FEB 87 Sticker No., ID: 537, D2	Sampling Point: SW-13 Date Sampled: 28 JAN 87 Date Analyzed: 3 FEB 87 Sticker No., ID: 494, C1	Sampling Point: MW-58 2) Date Sampled: 28 JAN 87 Date Analyzed: 5 FEB 87 Sticker No., ID: 466, D3
Acrylamide	10	BDL	BDL	BDL	BDL
Carbon Disulfide	10	BDL	BDL	BDL	BDL
Diethyl Ether	10	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	10	BDL	BDL	BDL	BDL
Methyl Isobutyl Ketone	10	BDL	BDL	BDL	BDL
Paraldehyde	10	BDL	BDL	BDL	BDL

BDL = Below Detection Limit
1) = Blind Duplicate of 480, C1 (SW-12)
2) = Blind Duplicate of 494, C1 (SW-13)

TABLE T-27

PCB'S AND PESTICIDES (SURFACE WATER)

TABLE T-27. **RESULTS OF SURFACE WATER ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

PCB's and Pesticides (Surface Water); Method 625P; Concentrations in ug/L

Compound	Detection Limit (ug/L)	SW-12	SW-13
Sampling Point:		SW-12	SW-13
Date Sampled:		28 JAN 87	28 JAN 87
Date Extracted:		4 FEB 87	4 FEB 87
Date Analyzed:		10 FEB 87	10 FEB 87
Sticker No., ID:		486, GI	500, GI
Aldrin	10	BDL	BDL
Alpha - BHC	10	BDL	BDL
Beta - BHC	10	BDL	BDL
Delta - BHC	10	BDL	BDL
Gamma - BHC	10	BDL	BDL
Chlordane	10	BDL	BDL
4,4'-DDD	10	BDL	BDL
4,4'-DDE	10	BDL	BDL
4,4'-DDT	10	BDL	BDL
Dieldrin	10	BDL	BDL
Endosulfan I	10	BDL	BDL
Endosulfan II	10	BDL	BDL
Endosulfan Sulfate	10	BDL	BDL
Endrin	10	BDL	BDL
Endrin Aldehyde	10	BDL	BDL
Heptachlor	10	BDL	BDL
Heptachlor Epoxide	10	BDL	BDL
Toxaphene	10	BDL	BDL
PCB 1016	10	BDL	BDL
PCB 1221	10	BDL	BDL
PCB 1232	10	BDL	BDL
PCB 1242	10	BDL	BDL
PCB 1248	10	BDL	BDL
PCB 1254	10	BDL	BDL
PCB 1260	10	BDL	BDL

BDL = Below Detection Limits

TABLE T-28

PETROLEUM HYDROCARBONS (*SURFACE WATER*)

TABLE T-28. **RESULTS OF SURFACE WATER ANALYSES; DPDO STORAGE AREA**; p. 1 of 1

Petroleum Hydrocarbons (Surface Water); Method E418.1; Concentrations in mg/L

	Sampling Point:	SW-12 *	SW-13 *
	Date Sampled:	28 JAN 87	28 JAN 87
	Date Extracted:	6 FEB 87	6 FEB 87
	Date Analyzed	6 FEB 87	6 FEB 87
	Sticker No., ID:	484, E	498, E
Compound	Detection Limit (mg/L)		
Hydrocarbons	2.0	BDL	BDL

BDL = Below Detection Limit
* = Invalid Data

APPENDIX U

INORGANIC RESULTS - SITE 6

(COAL PILE STORAGE AREA)

TABLE U-1

TOTAL METAL SCREEN (SOIL)

TABLE U-1. **RESULTS OF SOIL ANALYSES; COAL PILE STORAGE AREA**; p. 1 of 3

Total Metals Screen (Soils); Method SW3050/SW6010; Concentrations in mg/Kg

Species	Detection Limits (mg/Kg)	Methods	Sampling Point: SB-58			
			Date Sampled: 14 OCT 86			
			Date Analyzed: OCT, NOV 86			
			Sticker No., ID: 7, A	1)	9, A	11, A
			Depth Interval (ft): 1-2.5	1-2.5	3.5-5	8.5-10
Iron	4.5	SW3050/SW6010	2,000	2,090	14,400	4,660
Manganese	1.5	SW3050/SW6010	47.40	47.00	32.00	7.10
Vanadium	0.6	SW3050/SW6010	7.50	7.20	38.60	16.60
Aluminum	---	SW3050/SW6010	4,910	5,180	29,300	22,000
Nickel	3.0	SW3050/SW6010	2.40	2.30	12.30	3.80
Cobalt	0.8	SW3050/SW6010	BDL	BDL	1.90	BDL
Barium	1.0	SW3050/SW6010	17.50	18.80	30.80	10.70
Beryllium	0.12	SW3050/SW6010	0.18	0.20	0.50	0.31
Silver	2.8	SW3050/SW6010	BDL	BDL	BDL	BDL
Copper	0.9	SW3050/SW6010	BDL	BDL	4.50	BDL
Cadmium	0.34	SW3050/SW6010	BDL	BDL	BDL	BDL
Chromium	0.5	SW3050/SW6010	3.60	3.40	23.30	10.20
Magnesium	12.0	SW3050/SW6010	205	210	780	330
Molybdenum	0.9	SW3050/SW6010	BDL	BDL	BDL	BDL
Lead	6.3	SW3050/SW6010	BDL	BDL	9.80	7.90
Zinc	0.6	SW3050/SW6010	4.60	2.0	6.80	6.60
Antimony	0.9	SW3050/SW7041	BDL	BDL	BDL	BDL
Boron	2.4	SW3050/SW6010	6.00	8.0	1.00	1.00
Calcium	2.4	SW3050/SW6010	200	199	296	BDL
Silica	7.0	SW3050/SW6010	802	896	1,970	1,880
Sodium	12.0	SW3050/SW6010	60	40	79	50
Thallium	0.2	SW3050/SW7841	BDL	BDL	BDL	BDL
Potassium	0.5	SW3050/SW6010	170	177	621	285

BDL = Below Detection Limits
1) = In-House RTI Duplicate

TABLE U-1. **RESULTS OF SOIL ANALYSES; COAL PILE STORAGE AREA**; p. 2 of 3

Total Metals Screen (Soils); Method SW3050/SW6010; Concentrations in mg/Kg

Species	Detection Limits (mg/Kg)	Methods	Sampling Point: SB-59 Date Sampled: 14 OCT 86 Date Analyzed: OCT, NOV 86 Sticker No., ID: 14, A Depth Interval (ft): 1-2.5	Sampling Point: SB-59 Date Sampled: 14 OCT 86 Date Analyzed: OCT, NOV 86 Sticker No., ID: 15, A Depth Interval (ft): 3.5-5	Sampling Point: SB-59 Date Sampled: 14 OCT 86 Date Analyzed: OCT, NOV 86 Sticker No., ID: 17, A Depth Interval (ft): 8.5-10
Iron	4.5	SW3050/SW6010	3,100	21,200	3,160
Manganese	1.5	SW3050/SW6010	26.10	24.60	4.40
Vanadium	0.6	SW3050/SW6010	9.80	53.10	10.80
Aluminum	---	SW3050/SW6010	7,890	44,600	17,400
Nickel	3.0	SW3050/SW6010	2.70	8.50	2.10
Cobalt	0.8	SW3050/SW6010	BDL	2.00	BDL
Barium	1.0	SW3050/SW6010	16.70	23.90	16.50
Beryllium	0.12	SW3050/SW6010	0.27	0.47	0.23
Silver	2.8	SW3050/SW6010	BDL	BDL	BDL
Copper	0.9	SW3050/SW6010	BDL	3.50	BDL
Cadmium	0.34	SW3050/SW6010	BDL	BDL	BDL
Chromium	0.5	SW3050/SW6010	5.60	31.20	9.20
Magnesium	12.0	SW3050/SW6010	260	893	207
Molybdenum	0.9	SW3050/SW6010	BDL	BDL	BDL
Lead	6.3	SW3050/SW6010	BDL	6.20	5.40
Zinc	0.6	SW3050/SW6010	3.00	8.60	8.30
Antimony	0.9	SW3050/SW7041	BDL	BDL	BDL
Boron	2.4	SW3050/SW6010	2.00	3.00	3.00
Calcium	2.4	SW3050/SW6010	100	200	BDL
Silica	7.0	SW3050/SW6010	999	2,500	1,880
Sodium	12.0	SW3050/SW6010	40	70	40
Thallium	0.2	SW3050/SW7841	BDL	BDL	BDL
Potassium	0.5	SW3050/SW6010	214	652	191

BDL = Below Detection Limits

TABLE U-1. **RESULTS OF SOIL ANALYSES; COAL PILE STORAGE AREA**; p. 3 of 3

Total Metals Screen/Soils; Method SW3050/SW6010; Concentrations in mg/Kg

Species	Detection Limits (mg/Kg)	Methods	Sampling Point:	SB-60			SB-56 2)
			Date Sampled:	14 OCT 86			14 OCT 86
			Date Analyzed:	OCT, NOV 86			OCT, NOV 86
			Sticker No., ID:	1, A	3, A	5, A	1)	79, B
			Depth Interval (ft):	1-2.5	3.5-5	8.5-10	8.5-10	8.5-10
Iron	4.5	SW3050/SW6010		24,100	18,500	1,190	1,280	1,230
Manganese	1.5	SW3050/SW6010		27.90	19.10	3.00	3.98	3.8
Vanadium	0.6	SW3050/SW6010		56.00	44.80	5.30	4.44	4.67
Aluminum	---	SW3050/SW6010		38,900	37,000	10,200	10,600	10,200
Nickel	3.0	SW3050/SW6010		8.80	6.80	2.70	BDL	BDL
Cobalt	0.8	SW3050/SW6010		2.20	1.80	1.00	BDL	1.06
Barium	1.0	SW3050/SW6010		42.80	16.50	18.50	23.4	2.21
Beryllium	0.12	SW3050/SW6010		0.52	0.34	0.26	0.238	0.229
Silver	2.8	SW3050/SW6010		BDL	BDL	BDL	4.54	4.91
Copper	0.9	SW3050/SW6010		3.20	3.30	BDL	BDL	BDL
Cadmium	0.34	SW3050/SW6010		4.40	0.40	BDL	BDL	BDL
Chromium	0.5	SW3050/SW6010		31.50	25.60	5.50	4.56	4.68
Magnesium	12.0	SW3050/SW6010		918	746	114	117	104
Molybdenum	0.9	SW3050/SW6010		BDL	BDL	BDL	BDL	BDL
Lead	6.3	SW3050/SW6010		4.60	5.30	15.70	16.8	10.6
Zinc	0.6	SW3050/SW6010		9.70	5.60	2.80	BDL	.80
Antimony	0.9	SW3050/SW7041		BDL	BDL	BDL	20	19.9
Boron	2.4	SW3050/SW6010		BDL	BDL	BDL	194	210
Calcium	2.4	SW3050/SW6010		600	298	BDL	32.70	29.90
Silica	7.0	SW3050/SW6010		2,400	2,480	1,480	436	538
Sodium	12.0	SW3050/SW6010		50	50	10	8.9	36.8
Thallium	0.2	SW3050/SW7841		BDL	BDL	BDL	BDL	BDL
Potassium	0.5	SW3050/SW6010		744	613	124	121	121

BDL = Below Detection Limits
1) = In-House RTI Duplicates
2) = Blind Duplicate of 5, A (SB-60)

APPENDIX V

GLOSSARY OF ACRONYMS AND SCIENTIFIC UNITS

APPENDIX V

GLOSSARY OF ACRONYMS AND SCIENTIFIC UNITS

AFB =	Air Force Base
AFFF =	Aqueous film forming foam
Ag =	Silver
Cd =	Cadmium
CERCLA =	Comprehensive Environmental Response, Compensation, and Liability Act
^{o}C =	Degrees centigrade
1-2-DCE =	1,2-dichloroethylene
DEQPPM =	Defense Environmental Quality Program Policy Memorandum
DOD =	Department of Defense
DPDO =	Defense Property Disposal Office
EPA =	*Environmental* Protection Agency
ft =	Feet
ft^2/d =	Square feet per day
ft/d =	Foot per day
GAL/MIN =	Gallons per minute
GC/MS =	Gas chromatography/mass spectrometry
HARM =	Hazard Assessment Rating Methodology
ID =	Inner diameter
IRP =	Installation Restoration Program
JP-4 =	Jet Propulsion (fuel) - 4
L =	Liter
MCL =	Maximum Contaminant Level
mg/kg =	Milligram per killogram
mg/l =	Milligrams per liter
mgal/d =	Million gallons per day
mL =	Milliliter
msl =	Mean sea level

MW = Monitoring well
NAEL = No adverse effect level
NAS = National Academy of Science
NCAC = North Carolina Administrative Code
NCNRCD = North Carolina Department of Natural Resources and Community Development
Ni = Nickel
OD = Outside diameter
OEHL = Occupational and Environmental Health Laboratory
OVA = Organic vapor analyzer
Pb = Lead
POL = Petroleum, oils, and lubricants
PVC = Polyvinyl chloride
RCRA = Resource Conservation and Recovery Act
RTI = Research Triangle Institute
SAC = Strategic Air Command
SB = Soil Boring (Stage 2)
SD = Sediment Station
SJ = Seymour Johnson
SNARL = Suggested No Adverse Response Level
STB = Soil Test boring (Stage 1)
SW = Surface water station
TAC = Tactical Air command
TCE = Trichloroethylene
TOC = Total organic carbon
TOX = Total organic halogen
ug/kg = Microgram per killogram
ug/l = Microgram per liter
umhos/c = Micromhos per centimeter
USGS = United States Geological Survey
VOC = Volatile organic compounds
WATSTORE = Water Data Storage and Retrieval System

APPENDIX W

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REFERENCES

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